

ARG30259

Loading Controls for Cytoplasmic / Nuclear Fractions Antibody Panel

Package: 1 kit

Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG54003	anti-COX4 antibody	Mouse mAb	Hu, Ms, Rat, Goat, Hm, Mk	FACS, ICC/IF, IHC-P, IP, WB	25 µl
ARG65681	anti-Histone H3 antibody	Mouse mAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB	25 µg
ARG10112	anti-GAPDH antibody [6C5]	Mouse mAb	AGMK, Bb, Cat, Chk, Dog, Fsh, Hm, Hu, Mk, Ms, Pig, Rb, Rat, Xenopus laevis, Zfsh	ELISA, ICC/IF, IHC-Fr, WB	25 µg
ARG65350	Goat anti-Mouse IgG antibody (HRP)	Goat pAb	Ms	ELISA, IHC-P, WB	50 µl

Summary

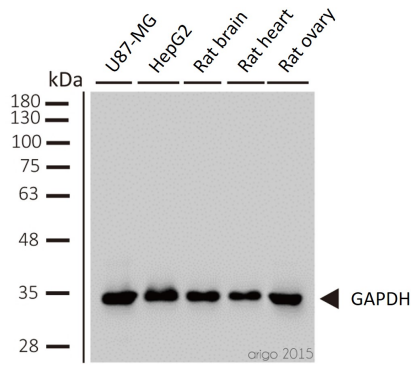
Target Name	Loading Controls for Cytoplasmic / Nuclear Fractions
Alternate Names	Loading Controls for Cytoplasmic / Nuclear Fractions antibody; GAPDH antibody; COX4 antibody; Histone H3 antibody

Properties

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

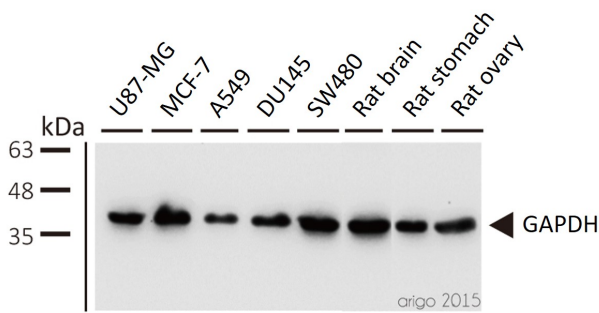
Bioinformation

Gene Full Name	Antibody Panel for Loading Controls for Cytoplasmic / Nuclear Fractions
Research Area	Cancer antibody; Controls and Markers antibody; Gene Regulation antibody; Immune System antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody



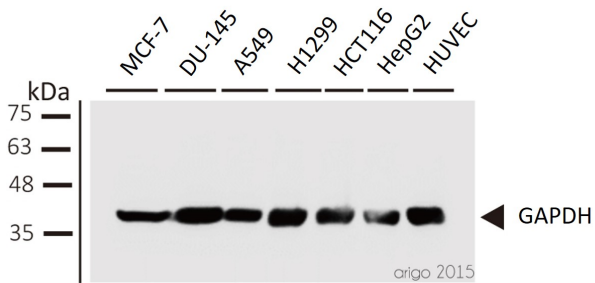
ARG10112 anti-GAPDH antibody [6C5] WB image

Western blot: 1) U87-MG 2) HepG2 3) rat brain 4) rat heart 5) rat ovary stained with ARG10112 anti-GAPDH antibody [6C5] at 1:2000 dilution.



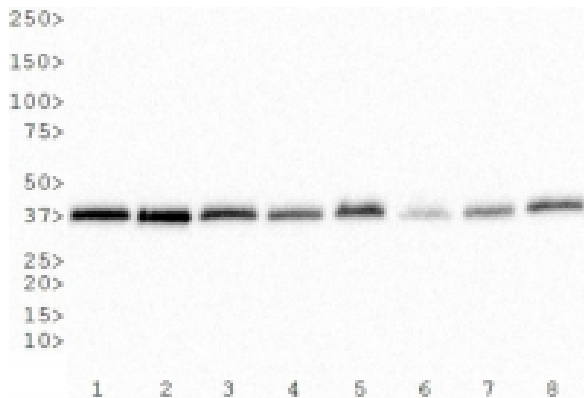
ARG10112 anti-GAPDH antibody [6C5] WB image

Western blot: 1) U87-MG 2) MCF-7 3) A549 4) DU145 5) SW480 6) rat brain 7) rat stomach 8) rat ovary stained with ARG10112 anti-GAPDH antibody [6C5] at 1:5000 dilution.



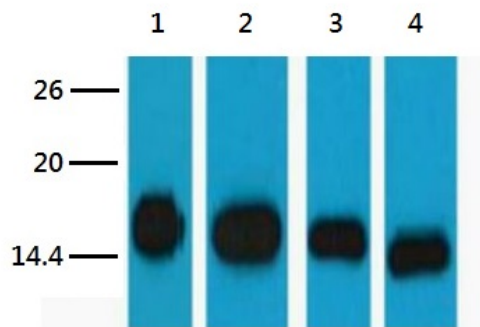
ARG10112 anti-GAPDH antibody [6C5] WB image

Western blot: 1) MCF-7 2) DU-145 3) A549 4) H1299 5) HCT116 6) HepG2 7) HUVEC stained with ARG10112 anti-GAPDH antibody [6C5] at 1:1000 dilution.



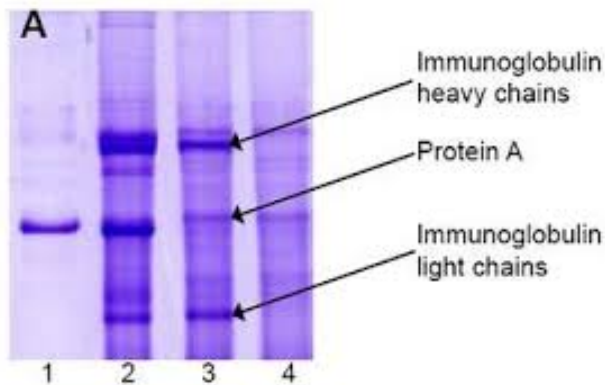
ARG10112 anti-GAPDH antibody [6C5] WB image

Western Blot: 1) HeLa, 2) NTERA-2, 3) A-431, 4) HepG2, 5) MCF-7, 6) NIH 3T3, 7) PC-12 and 8) COS-7 whole cell lysates stained with anti-GAPDH antibody [6C5] (ARG10112)



ARG65681 anti-Histone H3 antibody WB image

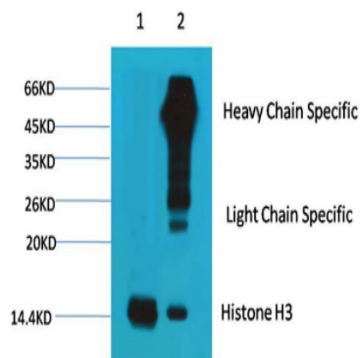
Western blot: 1) HeLa, 2) Raw, 3) Mouse brain tissue, and 4) Rat brain tissue lysates stained with ARG65681 anti-Histone H3 antibody at 1:5000 dilution.



ARG10112 anti-GAPDH antibody [6C5] IP image

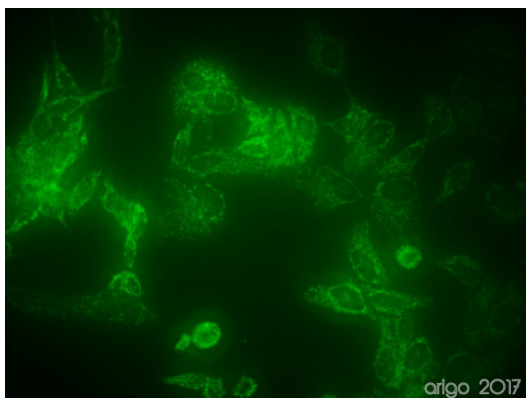
Immunoprecipitation and western blot: 1) GAPDH (1 µg). 2) GAPDH IP from rat heart tissue extract. 3) Only GAPDH preincubated with Protein A Sepharose. 4) Only Protein A Sepharose stained with ARG10112 GAPDH antibody [6C5].

Mixture of protein A-Sepharose with ARG10112 anti-GAPDH and tissue extract was incubated for 30 min at room temperature and precipitated by centrifugation. Pellet was washed with PBS, suspended in reducing electrophoresis sample buffer and heated for 5 minutes at 100°C. After centrifugation supernatant was loaded on gel and proteins were separated by SDS electrophoresis.



ARG65681 anti-Histone H3 antibody IP image

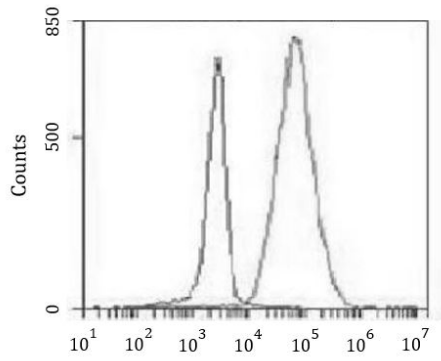
Immunoprecipitation: 1) HeLa cell lysate stained with ARG65681 anti-Histone H3 antibody and 2) IP product immunoprecipitated by ARG65681 anti-Histone H3 antibody at 1:200 dilution.



ARG54003 anti-COX4 antibody ICC/IF image

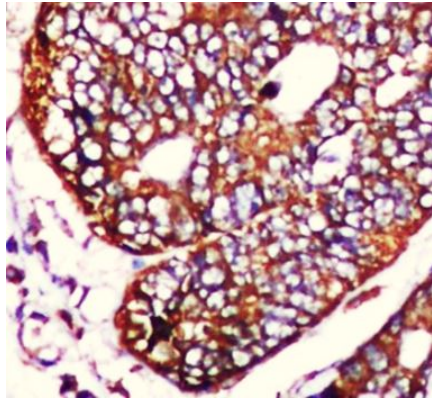
Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG54003 anti-COX4 antibody (green) at 1:150 dilution.

Secondary antibody: [ARG55393](#) Goat anti-Mouse IgG (H+L) antibody (FITC)



ARG54003 anti-COX4 antibody FACS image

Flow Cytometry: K562 cells stained with ARG54003 anti-COX4 antibody at 1:100 dilution (right histogram) or isotype control (left histogram), followed by incubation with FITC labelled secondary antibody.



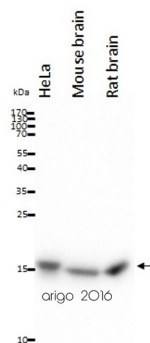
ARG54003 anti-COX4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colorectal carcinoma stained with ARG54003 anti-COX4 antibody at 1:50 dilution. Antigen Retrieval: High-pressure and temperature Citrate buffer (pH 6.0).



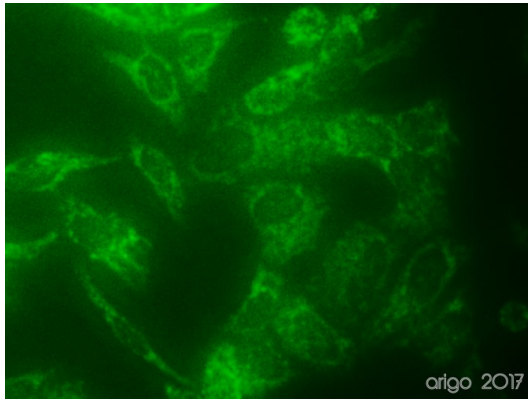
ARG54003 anti-COX4 antibody IP image

Immunoprecipitation: HeLa cell lysates were immunoprecipitated and stained with ARG54003 anti-COX4 antibody.



ARG54003 anti-COX4 antibody WB image

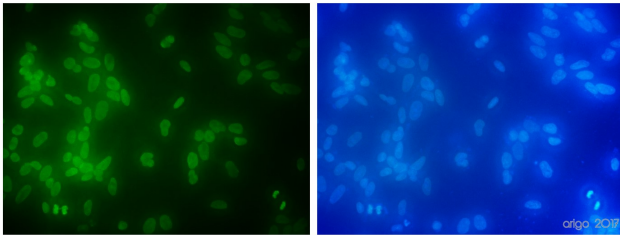
Western blot: 20 µg of HeLa, Mouse brain and Rat brain lysates stained with ARG54003 anti-COX4 antibody at 1:1000 dilution.



ARG54003 anti-COX4 antibody ICC/IF image

Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG54003 anti-COX4 antibody (green) at 1:150 dilution.

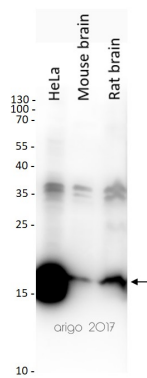
Secondary antibody: [ARG55393](#) Goat anti-Mouse IgG (H+L) antibody (FITC)



ARG65681 anti-Histone H3 antibody ICC/IF image

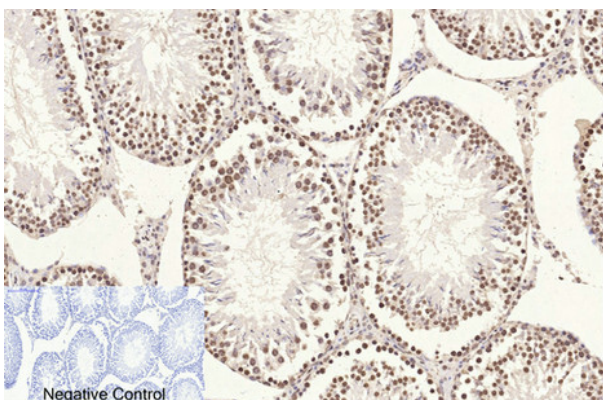
Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG65681 anti-Histone H3 antibody at 1:100 dilution. Left: primary antibody (green). Right: Merge (primary antibody and DAPI).

Secondary antibody: ARG55393 Goat anti-Mouse IgG (H+L) antibody (FITC)



ARG65681 anti-Histone H3 antibody WB image

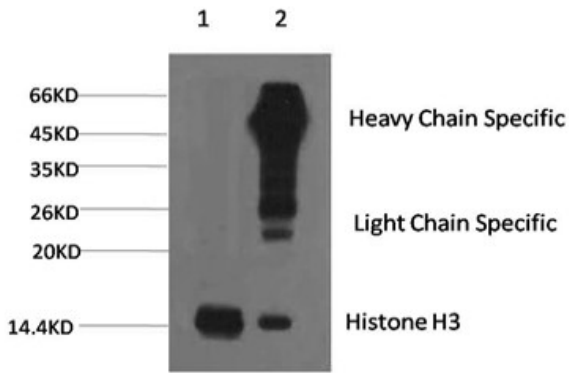
Western blot: 20 µg of HeLa, Mouse brain and Rat brain lysates stained with ARG65681 anti-Histone H3 antibody at 1:2000 dilution.



ARG65681 anti-Histone H3 antibody IHC-P image

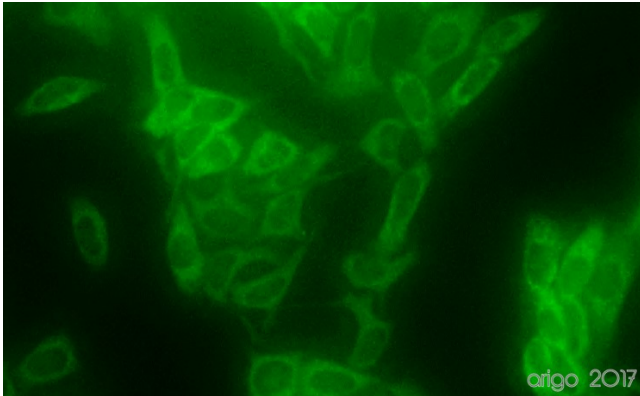
Immunohistochemistry: Paraffin-embedded Rat testis tissue stained with ARG65681 anti-Histone H3 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min. Secondary antibody was diluted at 1:200 (RT, 30 min).

Negative control was used by secondary antibody only.



ARG65681 anti-Histone H3 antibody IP image

Immunoprecipitation: 1) HeLa cell lysate stained with ARG65681 anti-Histone H3 antibody and 2) IP product immunoprecipitated by ARG65681 anti-Histone H3 antibody at 1:200 dilution.



ARG10112 anti-GAPDH antibody [6C5] ICC/IF image

Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG10112 anti-GAPDH antibody [6C5] (green) at 1:200 dilution.

Secondary antibody: [ARG55393](#) Goat anti-Mouse IgG (H+L) antibody (FITC)



ARG10112 anti-GAPDH antibody [6C5] WB image

Western blot: Mouse samples stained with ARG10112 anti-GAPDH antibody [6C5] at 1:1000 dilution.

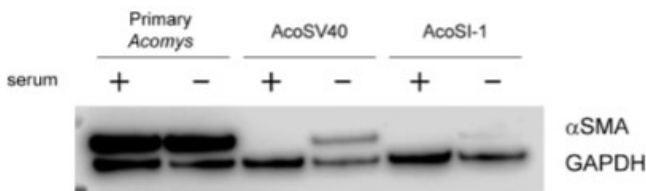
From Yun-Yun Li et al. Int J Biol Sci (2022), [doi: 10.7150/ijbs.68224](#), Fig. 5. C.



ARG10112 anti-GAPDH antibody [6C5] WB image

Western blot: Porcine kidney stained with ARG10112 anti-GAPDH antibody [6C5].

From Jianni Huang et al. Front Cell Dev Biol (2022), [doi: 10.3389/fcell.2022.899869](#), Fig. 2. E.



ARG10112 anti-GAPDH antibody [6C5] WB image

Western blot: pAFs, AcoSV40, and AcoSI-1 stained with ARG10112 anti-GAPDH antibody [6C5] at 1:5000 dilution.

From Michele N Dill et al. PLoS One. (2023), [doi: 10.3389/fcell.2022.899869](#), Fig. 2. C.

GAPDH

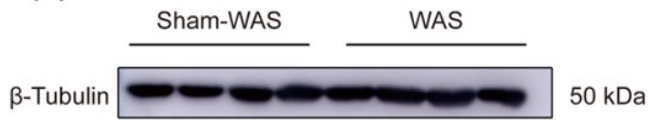


ARG10112 anti-GAPDH antibody [6C5] WB image

Western blot: HUVEC stained with ARG10112 anti-GAPDH antibody [6C5].

From Bingzheng Lu et al. *Oxid Med Cell Longev* (2020), [doi: 10.1155/2020/2048210](https://doi.org/10.1155/2020/2048210), Fig. 5. B.

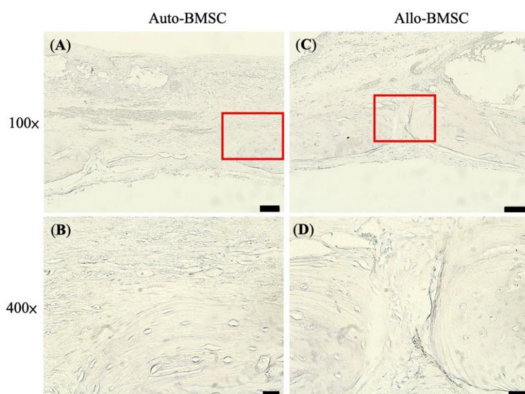
(D)



ARG65350 Goat anti-Mouse IgG antibody (HRP) WB image

Western blot: Rat basolateral amygdala stained with [ARG62347 anti-beta Tubulin antibody \[BT7R\]](https://doi.org/10.3390/jpm11121326) at 1:1000 dilution, ARG65350 Goat anti-Mouse IgG antibody (HRP) at 1:5000 dilution.

From Guang-Bing Duan et al. *CNS Neurosci Ther.* (2024), [doi: 10.1111/cns.14611](https://doi.org/10.1111/cns.14611), Fig. 4.D.



ARG65350 Goat anti-Mouse IgG antibody (HRP) IHC-P image

From Cheng-Feng Chu et al. *J Pers Med.* (2021), [doi: 10.3390/jpm11121326](https://doi.org/10.3390/jpm11121326), Fig. 6.