ARG30139
Cell Cycle Marker Antibody Panel (Cyclin B1, Cyclin E)

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG52927	anti-Cyclin E1 antibody	Rabbit pAb	Hu	IHC-P	250 µl
ARG62456	anti-Cyclin B1 antibody [V152]	Mouse mAb	Hu	FACS, ICC/IF, IHC-Fr, IHC-P, WB	50 µl
ARG51679	anti-Histone H3 phospho (Ser10) antibody	Rabbit pAb	Cydippids, Hu, Ms, Rat	FACS, ICC/IF, IHC-P, WB	50 µl
ARG65350	Goat anti-Mouse IgG antibody (HRP)	Goat pAb	Ms	ELISA, IHC-P, WB	50 µl
ARG65351	Goat anti-Rabbit IgG antibody (HRP)	Goat pAb	Rb	ELISA, IHC-P, WB	50 µl

Summary

Product Description

The cell cycle is controlled by numerous mechanisms ensuring correct cell division. Cell division consists of two consecutive processes, mainly characterized by DNA replication (S phase), proceeding after G1 interphase; and segregation of replicated chromosomes into two separate cells (M phase), following G2 phase. Cyclin E is upregulated during G1/S progression whereas Cyclin A and Cyclin B are expressed highly during G2/M progression. Phosphorylated Histone H3 is a distinct marker for Mitosis and often used in determining cells undergoing M-phase in a proliferating populations.

Arigo's Cell Cycle Phase Marker Panel provides a useful tool as markers for cells undergoing different phases in cell cycle.

Vermeulen et al. (2003) Cell Prolif 36:131-149
Rahman et al. (2010) Cell Cycle 9: 22-27
Hans and Dimitrov (2001) Oncogene 24: 3021-3027

Target Name

Cell Cycle Marker

Alternate Names

Cell Cycle Marker antibody; Histone H3 phospho (Ser10) antibody; Cyclin E1 antibody; Cyclin B1 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.

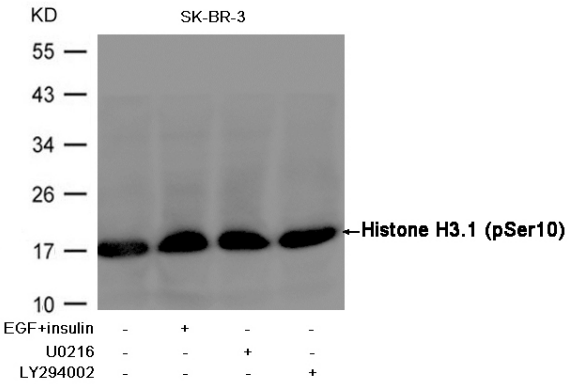
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

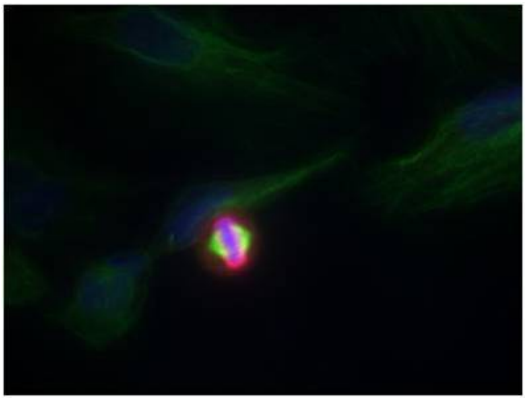
Gene Full Name	Antibody Panel for Cell Cycle Marker (Cyclin B1, Cyclin E)
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Immune System antibody

Images



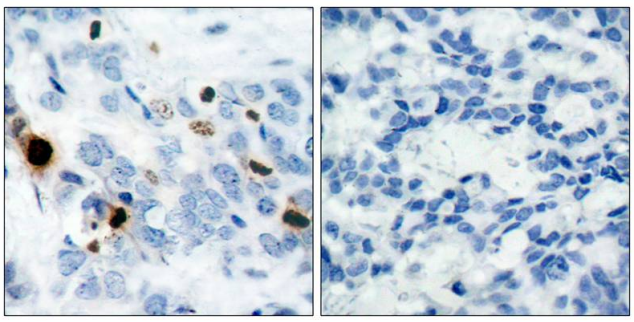
ARG51679 anti-Histone H3.1 phospho (Ser10) antibody WB image

Western Blot: extracts from SK-BR-3 cells, treated with insulin and EGF, and pretreated with U0126 and LY294002 cells stained with anti-Histone H3.1 (phospho Ser10) antibody ARG51679.



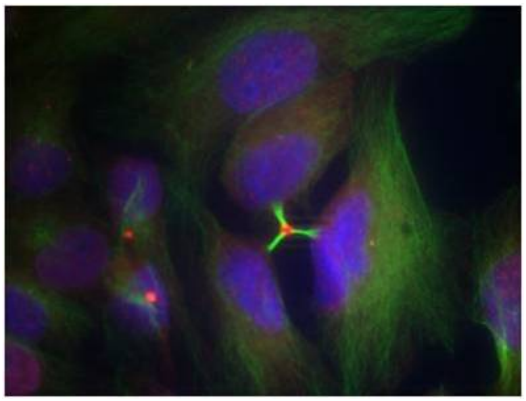
ARG51679 anti-Histone H3.1 phospho (Ser10) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with anti-Histone H3.1 (phospho Ser10) antibody ARG51679.



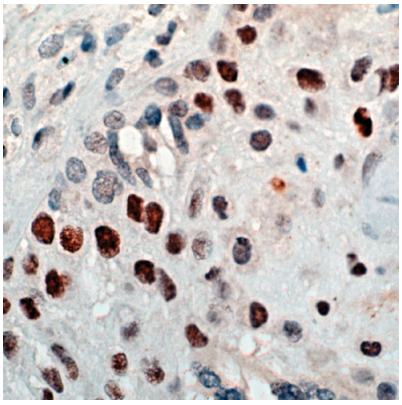
ARG51679 anti-Histone H3.1 phospho (Ser10) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with anti-Histone H3.1 (phospho Ser10) antibody ARG51679 (left) or the same antibody preincubated with blocking peptide (right).



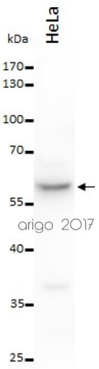
ARG51679 anti-Histone H3.1 phospho (Ser10) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with anti-Histone H3.1 (phospho Ser10) antibody ARG51679.



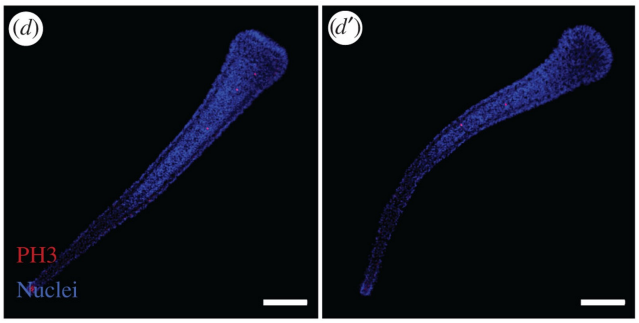
ARG52927 anti-Cyclin E antibody IHC-P image

Immunohistochemistry: Human Breast Carcinoma stained with Cyclin E antibody (ARG52927)



ARG62456 anti-Cyclin B1 antibody [V152] WB image

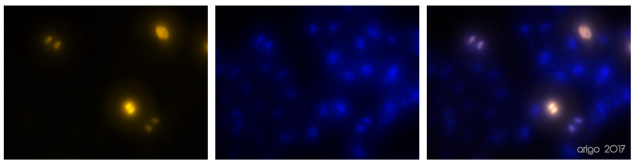
Western blot: 20 µl of HeLa cell lysate stained with ARG62456 anti-Cyclin B1 antibody [V152] at 1 µg/ml dilution.



ARG51679 anti-Histone H3 phospho (Ser10) antibody ICC/IF image

Immunofluorescence: Hydractinia stained with ARG51679 anti-Histone H3 phospho (Ser10) antibody.

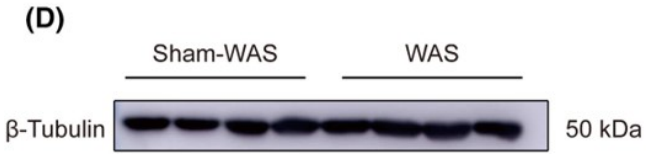
From Gonzalo Quiroga-Artigas et al. Open Biol. (2022), doi: 10.1098/rsob.220120, Fig. 3.



ARG51679 anti-Histone H3 phospho (Ser10) antibody ICC/IF image

Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG51679 anti-Histone H3 phospho (Ser10) antibody at 1:100 dilution. Left: primary antibody (orange). Middle: DAPI (blue). Right: Merge.

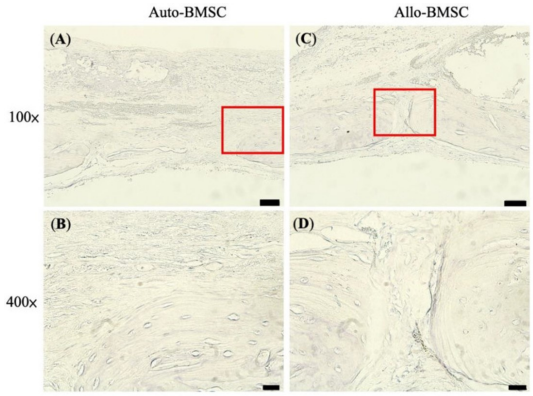
Secondary antibody: ARG21917 Goat anti-Rabbit IgG antibody (TRITC).



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

Western blot: Rat basolateral amygdala stained with ARG62347 anti-beta Tubulin antibody [BT7R] 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, Fig. 4.D.



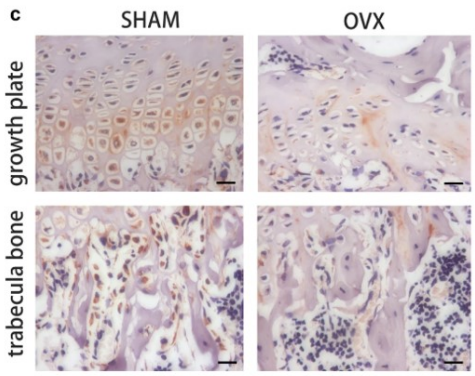
ARG65350 Goat anti-Mouse IgG antibody (HRP) IHC-P image

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

ARG65351 Goat anti-Rabbit IgG antibody (HRP) WB image

Western blot: Mouse retina stained with ARG65693 anti-alpha Tubulin antibody and ARG65351 Goat anti-Rabbit IgG antibody (HRP)

From Xiaoyuan Ye et al. Mol Ther Nucleic Acids. (2024), doi: 10.1016/j.omtn.2024.102209, Fig. 5.D.



ARG65351 Goat anti-Rabbit IgG antibody (HRP) IHC-P image

From Yu-Qian Song et al. J Mol Med (Berl) (2022), doi: 10.1007/s00109-021-02165-0, Fig. 5.c.
