

ARG64228 anti-GABPB2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GABPB2
Tested Reactivity	Hu
Predict Reactivity	Dog
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	This antibody is expected to recognise isoform beta 1 (NP_005245.2) and isoform gamma 1 (NP_002032.2).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GABPB2
Species	Human
Immunogen	C-SSENSKATDETG
Conjugation	Un-conjugated
Alternate Names	GABPB2; Transcription factor E4TF1-47; BABPB2; GABP subunit beta-1; GABP subunit beta-2; NRF2B1; NRF2B2; Transcription factor E4TF1-53; E4TF1; GA-binding protein subunit beta-1; Nuclear respiratory factor 2; E4TF1-47; GABPB; E4TF1B; GABPB-1; GABPB-2; E4TF1-53

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	0.3 - 1 µg/ml

Application Note
WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide

Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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

Database links [GeneID: 2553 Human](#)

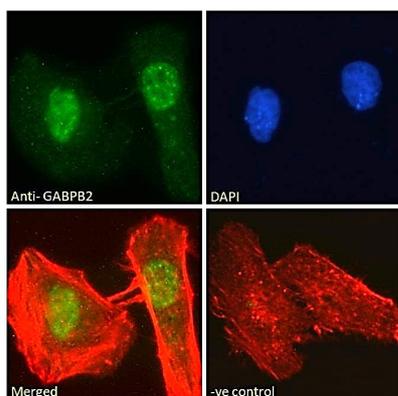
[Swiss-port # Q06547 Human](#)

Background This gene encodes the GA-binding protein transcription factor, beta subunit. This protein forms a tetrameric complex with the alpha subunit, and stimulates transcription of target genes. The encoded protein may be involved in activation of cytochrome oxidase expression and nuclear control of mitochondrial function. The crystal structure of a similar protein in mouse has been resolved as a ternary protein complex. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Research Area Gene Regulation antibody

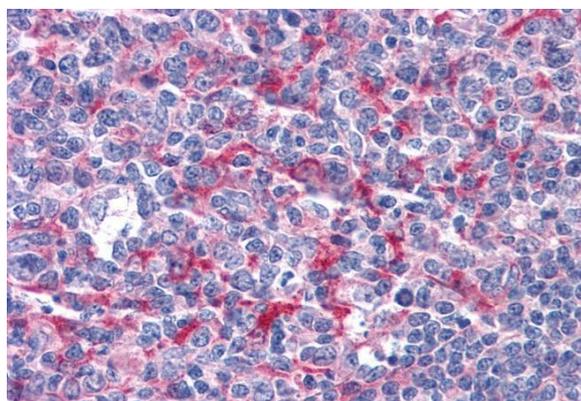
Calculated Mw 42 kDa

Images



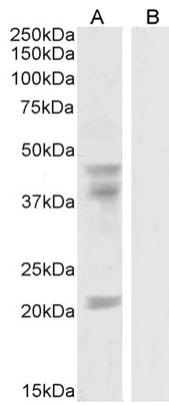
ARG64228 anti-GABPB2 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG64228 anti-GABPB2 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Phalloidin (red) for Actin filaments staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



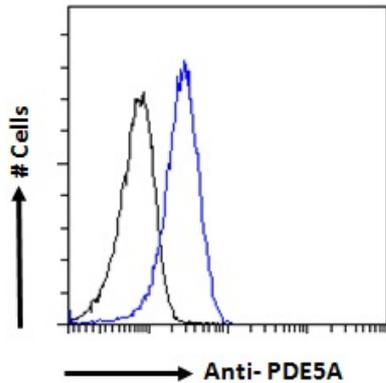
ARG64228 anti-GABPB2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64228 anti-GABPB2 antibody at 3.75 µg/ml dilution followed by AP-staining.



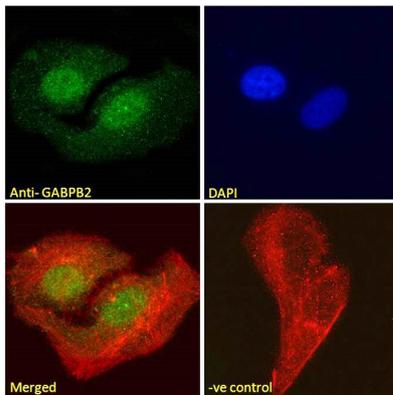
ARG64228 anti-GABPB2 antibody WB image

Western blot: 35 μg of HeLa cell lysate (in RIPA buffer) with (B) and without (A) blocking peptide. The blots were stained with ARG64228 anti-GABPB2 antibody at 0.3 $\mu\text{g}/\text{ml}$ dilution and incubated at RT for 1 hour.



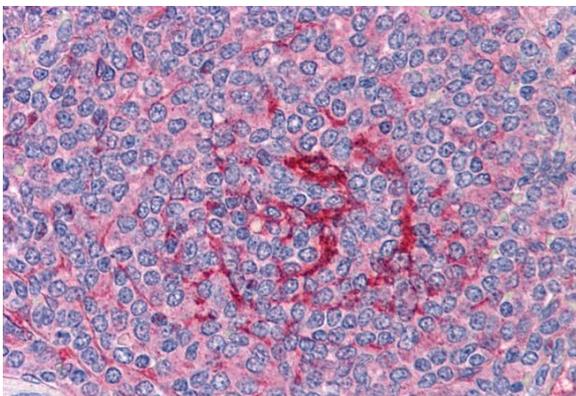
ARG64228 anti-GABPB2 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HEK293 cells permeabilized with 0.5% Triton. Cells were stained with ARG64228 anti-GABPB2 antibody (blue line) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG64228 anti-GABPB2 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG64228 anti-GABPB2 antibody (green) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour. DAPI (blue) for nuclear staining. Phalloidin (red) for Actin filaments staining. Negative control: Unimmunized goat IgG (green) at 10 $\mu\text{g}/\text{ml}$ dilution.



ARG64228 anti-GABPB2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64228 anti-GABPB2 antibody at 3.75 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.