

ARG64243 anti-APH1A antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes APH1A
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize isoform 1 (NP_001071096.1) and isoform 2 (NP_057106.2).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	APH1A
Species	Human
Immunogen	C-HVTDRSDARLQYG
Conjugation	Un-conjugated
Alternate Names	APH-1A; APH-1a; 6530402N02Rik; APH-1; CGI-78; Gamma-secretase subunit APH-1A; Presenilin-stabilization factor; Aph-1alpha

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.05 - 0.1 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: 51107 Human](#)

[Swiss-port # Q96BI3 Human](#)

Background

This gene encodes a component of the gamma secretase complex that cleaves integral membrane proteins such as Notch receptors and beta-amyloid precursor protein. The gamma secretase complex contains this gene product, or the paralogous anterior pharynx defective 1 homolog B (APH1B), along with the presenilin, nicastrin, and presenilin enhancer-2 proteins. The precise function of this seven-transmembrane-domain protein is unknown though it is suspected of facilitating the association of nicastrin and presenilin in the gamma secretase complex as well as interacting with substrates of the gamma secretase complex prior to their proteolytic processing. Polymorphisms in a promoter region of this gene have been associated with an increased risk for developing sporadic Alzheimer's disease. Alternative splicing results in multiple protein-coding and non-protein-coding transcript variants. [provided by RefSeq, Aug 2011]

Research Area

Developmental Biology antibody; Neuroscience antibody; Signaling Transduction antibody

Calculated Mw

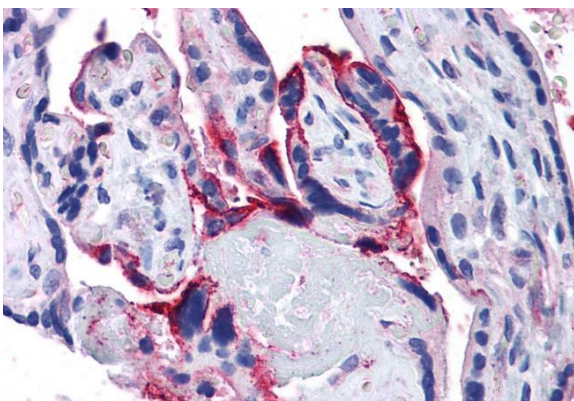
29 kDa

Images



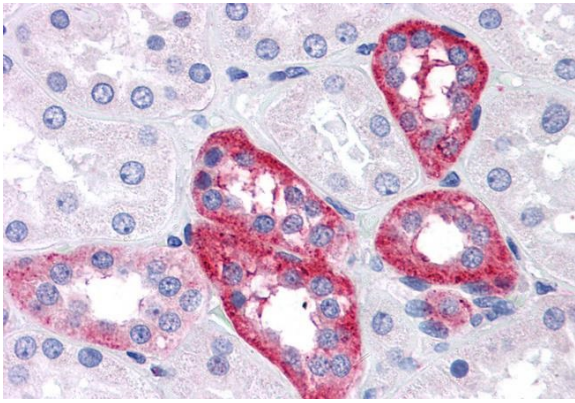
ARG64243 anti-APH1A antibody WB image

Western Blot: Human Brain (Cerebral Cortex) lysate (35 µg protein in RIPA buffer) stained with ARG64243 anti-APH1A antibody at 0.05 µg/ml dilution.



ARG64243 anti-APH1A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64243 anti-APH1A antibody at 5 µg/ml dilution followed by AP-staining.



ARG64243 anti-APH1A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64243 anti-APH1A antibody at 5 µg/ml dilution followed by AP-staining.