

ARG65163 anti-PDE1A antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PDE1A
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize isoform 1 (NP_005010.2) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE1A
Species	Human
Immunogen	C-DLHKNSEDLVNAE
Conjugation	Un-conjugated
Alternate Names	CAM-PDE-1A; Cam-PDE 1A; HCAM1; Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A; EC 3.1.4.17; HSPDE1A; hCam-1; HCAM-1; 61 kDa Cam-PDE

Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	1 - 3 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: 5136 Human](#)

[Swiss-port # P54750 Human](#)

Background

Cyclic nucleotide phosphodiesterases (PDEs) play a role in signal transduction by regulating intracellular cyclic nucleotide concentrations through hydrolysis of cAMP and/or cGMP to their respective nucleoside 5-prime monophosphates. Members of the PDE1 family, such as PDE1A, are Ca(2+)/calmodulin (see CALM1; MIM 114180)-dependent PDEs (CaM-PDEs) that are activated by calmodulin in the presence of Ca(2+) (Michibata et al., 2001 [PubMed 11342109]; Fidock et al., 2002 [PubMed 11747989]).[supplied by OMIM, Oct 2009]

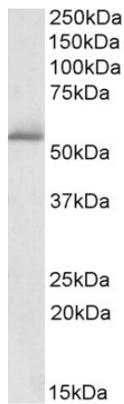
Research Area

Signaling Transduction antibody

Calculated Mw

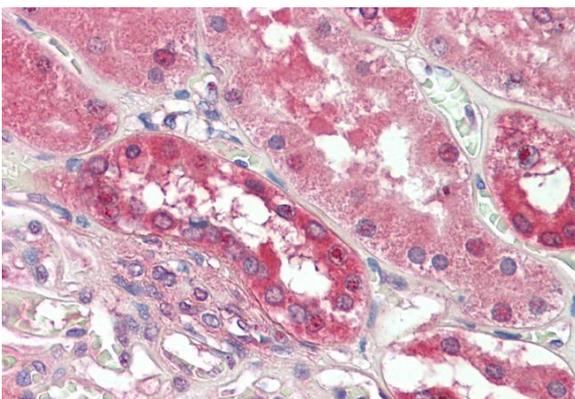
61 kDa

Images



ARG65163 anti-PDE1A antibody WB image

Western Blot: Human Cerebellum lysate (35 µg protein in RIPA buffer) stained with ARG65163 anti-PDE1A antibody at 1 µg/ml dilution.



ARG65163 anti-PDE1A 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 ARG65163 anti-PDE1A antibody at 3.75 µg/ml dilution followed by AP-staining.