

Rabbit anti-Mouse, Human Calcineurin B/PPP3R1 Polyclonal Antibody | anti-PPP3R1 antibody

Anti-Calcineurin B/PPP3R1 Antibody, Rabbit Polyclonal

CATALOG # AAA255068	HOST Rabbit	REACTIVITY Mouse, Human	APPLICATIONS Immunohistochemistry
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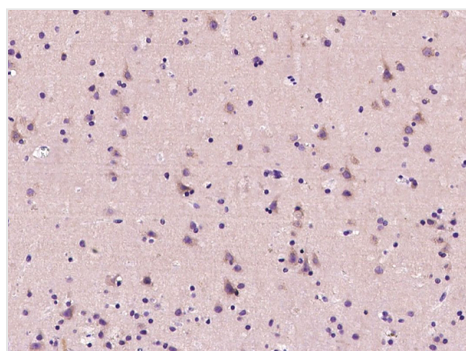
PRODUCT SYNONYMS

Calcineurin B/PPP3R1; Polyclonal Antibody; Anti-Calcineurin B/PPP3R1 Antibody; Rabbit Polyclonal; Calcineurin B/PPP3R1 Antibody; Rabbit PAb; Antigen Affinity Purified; protein phosphatase 3; regulatory subunit B; alpha; Anti-CaNB1 Antibody; Anti-Cnb1 Antibody; Anti-MCIP1 Antibody; anti-PPP3R1 antibody

PRODUCT SPECIFICATIONS

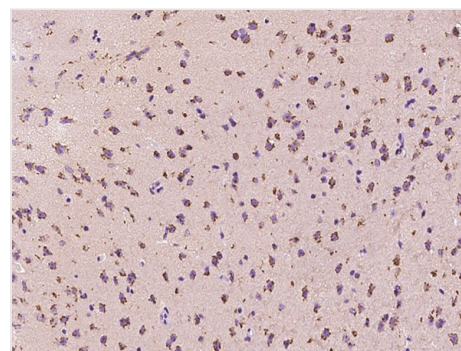
Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Calcineurin B/PPP3R1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PPP3R1 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse Calcineurin B/PPP3R1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse Calcineurin B/PPP3R1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining PPP3R1 in human brain with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining PPP3R1 in mouse brain with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP3R1 antibody	PPP3R1 belongs to the calcineurin regulatory subunit family. It is a regulatory subunit of calcineurin. Calcineurin is composed of two subunits: calcineurin A (CnA) and calcineurin B (CnB). Dephosphorylation of the nuclear factor of activated T-cells (NF-AT) by Calcineurin is essential for NF-AT activation, nuclear translocation, and early gene expression in T-cells. PPP3R1 is a Ser/Thr-specific calcium and calmodulin-dependent protein phosphatase which takes a vital part in the T cell activation pathway. PPP3R1 is involved in protein dephosphorylation, NFAT protein import into nucleus (ortholog) and epithelial to mesenchymal transition (ortholog). It participates in calcineurin signaling pathway; mitogen activated protein kinase signaling pathway. PPP3R1 interacts with (+)-pilocarpine, 2, 4-dinitrotoluene and ammonium chloride. It contains four EF-hand domains and four functional calcium-binding sites. PPP3R1 plays an important role in the T cell activation pathway.
Product Categories/Family for anti-PPP3R1 antibody	Calcium-binding Proteins and Related Molecules; Actin Dynamics Signaling Pathway
References	Feng B, et al. (1999) Interactions of calcineurin A, calcineurin B, and Ca2+. Biochemistry 38 (38): 12481-9.Kawamura A, et al. (1995) Interaction of FKBP12-FK506 with calcineurin A at the B subunit-binding domain. J Biol Chem. 270(26):15463-6.Wang MG, et al. (1997) Calcineurin A alpha (PPP3CA), calcineurin A beta (PPP3CB) and calcineurin B (PPP3R1) are located on human chromosomes 4, 10q21q22 and 2p16p15 respectively. Cytogenet Cell Genet. 72(2-3):236-41.

NCBI AND UNIPROT INFORMATION

NCBI GI #	84794597
NCBI GeneID	19058
NCBI Accession #	NP_077779.2
NCBI GenBank Nucleotide #	NM_024459.2
UniProt Accession #	Q63810; Q3V067; Q5F225
Molecular Weight	18,208 Da
NCBI Official Full Name	calcineurin subunit B type 1
NCBI Official Synonym Full Names	protein phosphatase 3, regulatory subunit B, alpha isoform (calcineurin B, type I)
NCBI Official Symbol	Ppp3r1
NCBI Official Synonym Symbols	Cnb1; CaNB1; MCIP1
NCBI Protein Information	calcineurin subunit B type 1
UniProt Protein Name	Calcineurin subunit B type 1
UniProt Gene Name	Ppp3r1
UniProt Synonym Gene Names	Cnb
UniProt Entry Name	CANB1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/calcineurin-b-ppp3r1-antibody-immunohistochemistry-elisa/255068>