antibodies

Datasheet for ABIN337359 anti-ITPR1 antibody (AA 1892-1911)

2 Images



Overview

Quantity:	50 µL
Target:	ITPR1
Binding Specificity:	AA 1892-1911
Reactivity:	Human, Mouse, Rat, Cow, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPR1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide corresponding to aa 1892-1911 (N1892KKKDDEVDRDAPSRKKAKE1911) of the cytoplasmic C-terminal domain of human IP3R-I (inositol 1,4,5-triphosphate receptor (type- I)). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine (100%), Hamster, Elephant, Panda, Horse (95%), Opossum (85%).
	Type of Immunogen: Synthetic peptide
Isotype:	lgG
Specificity:	Recognizes human IP3R-I. Detects a band of ~240kD by Western Blot. Species cross-reactivity:

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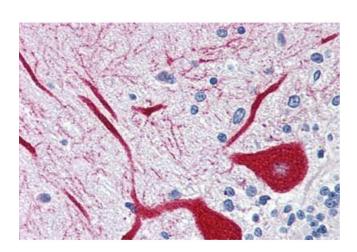
Product Details	
	mouse, rat and canine.
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine (100%) Hamster, Elephant, Panda, Horse (95%) Opossum (85%).
Purification:	Affinity purified
Target Details	
Target:	ITPR1
Alternative Name:	ITPR1 / IP3 Receptor Type 1 (ITPR1 Products)
Background:	Name/Gene ID: ITPR1 Subfamily: Inositol 1,4,5-triphosphate receptor Family: Ion Channel
	Synonyms: ITPR1, InsP3R-I, IP3R1, InsP3R, InsP3R type I, INSP3R1, IP3R, Opisthotonus, Pcp1, IP3 receptor, IP3 receptor isoform 1, SCA15, Spinocerebellar ataxia 15, Spinocerebellar ataxia 16, I145TR, IP3R 1, KIAA1754, SCA16, Type 1 InsP3 receptor
Gene ID:	3708
Pathways:	Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, Synaptic Membrane, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma
Application Details	
Application Notes:	Approved: ICC, IHC, IHC-Fr (1:125), IHC-P (5 µg/mL), IP, WB (1:500)
	Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

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Handling

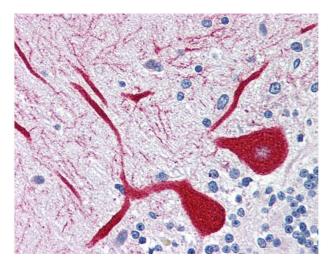
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, 1 mg/mL BSA, 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	4°C or -20°C, Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Brain, Cerebellum (formalin-fixed, paraffinembedded) stained with ITPR1 antibody ABIN337359 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatasestreptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-ITPR1 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.