



Rabbit Anti-phospho-IP3 receptor (Ser1598) antibody

SL18182R

Product Name:	phospho-IP3 receptor (Ser1598)
Chinese Name:	磷酸化5-三磷酸肌醇受体1抗体
Alias:	IP3 receptor (phospho S1598); p-IP3 receptor (phospho S1598); 5-trisphosphate receptor; 5-trisphosphate receptor type 1; DKFZp313E1334; DKFZp313N1434; inositol 1 4 5 triphosphate receptor type 1; Inositol 1 4 5 trisphosphate Receptor Type 1; Inositol 1; InsP3R1; IP3; IP3 receptor; IP3 receptor isoform 1; IP3R 1; IP3R; IP3R1; ITPR 1; Itpr1; ITPR1_HUMAN; SCA15; SCA16; SCA29; Type 1 inositol 1 4 5 trisphosphate receptor; Type 1 inositol 1; Type 1 InsP3 receptor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	314kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human IP3 receptor around the phosphorylation site of Ser1598:RD(p-S)VL
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene encodes an intracellular receptor for inositol 1,4,5-trisphosphate. Upon stimulation by inositol 1,4,5-trisphosphate, this receptor mediates calcium release from the endoplasmic reticulum. Mutations in this gene cause spinocerebellar ataxia type 15, a disease associated with an heterogeneous group of cerebellar disorders. Multiple transcript variants have been identified for this gene. [provided by RefSeq, Nov 2009]</p> <p>Function: Intracellular channel that mediates calcium release from the endoplasmic reticulum following stimulation by inositol 1,4,5-trisphosphate.</p> <p>Subcellular Location: Endoplasmic reticulum membrane.</p> <p>Tissue Specificity: Widely expressed.</p> <p>Post-translational modifications: Phosphorylated by cAMP kinase. Phosphorylation prevents the ligand-induced opening of the calcium channels. Phosphorylated on tyrosine residues.</p> <p>DISEASE: Defects in ITPR1 are the cause of spinocerebellar ataxia type 15 (SCA15) (SCA15) [MIM:606658]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA15 is an autosomal dominant cerebellar ataxia (ADCA). It is very slow progressing form with a wide range of onset, ranging from childhood to adult. Most patients remain ambulatory.</p> <p>Similarity: Belongs to the InsP3 receptor family. Contains 5 MIR domains.</p> <p>SWISS: Q14643</p> <p>Gene ID: 3708</p> <p>Database links: Entrez Gene: 3708 Human</p>

[Entrez Gene: 16438](#) Mouse

[Entrez Gene: 25262](#) Rat

[Omim: 147265](#) Human

[SwissProt: Q14643](#) Human

[SwissProt: P11881](#) Mouse

[SwissProt: P29994](#) Rat

[Unigene: 567295](#) Human

[Unigene: 715765](#) Human

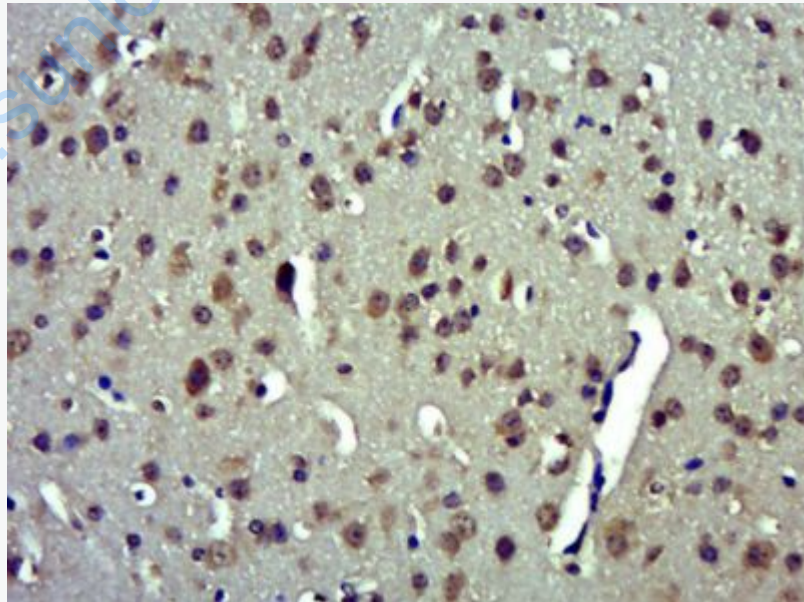
[Unigene: 227912](#) Mouse

[Unigene: 2135](#) Rat

Important Note:

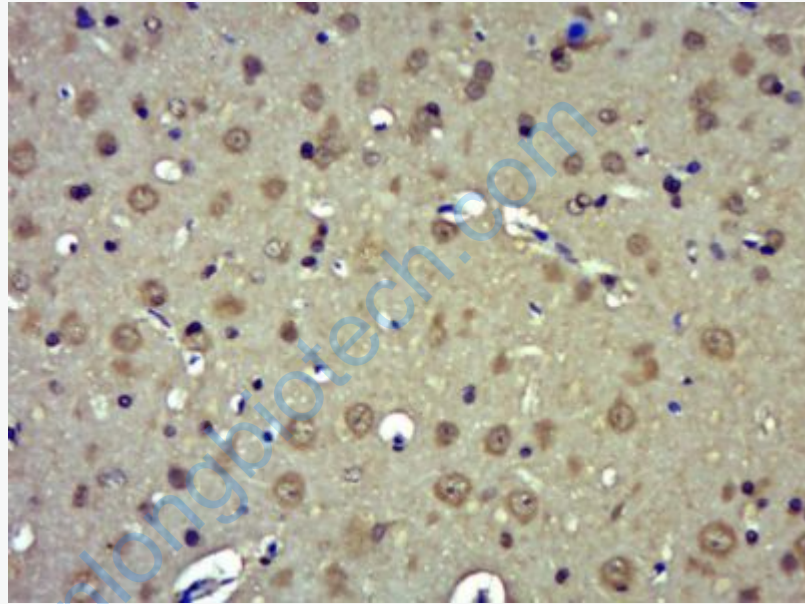
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Picture:



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by

3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-IP3 receptor (Ser1598)) Polyclonal Antibody, Unconjugated (SL18182R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-IP3 receptor (Ser1598)) Polyclonal Antibody, Unconjugated (SL18182R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.