SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ITPR3 antibody

Catalog Number: SL6471R

FOR RESEARCH USE ONLY

[DATASHEET]

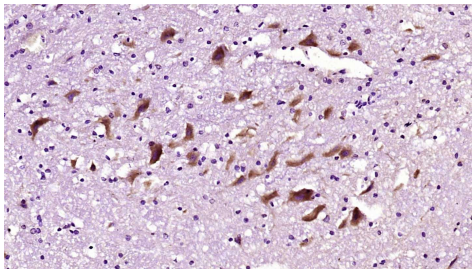
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ITPR3
Immunogen:	KLH conjugated synthetic peptide derived from human ITPR3: 21-120/2671
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:50-200 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Chicken,Dog,Cow,Horse,Rabbit)
Predicted MW.:	294kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	Inositol 1,4,5-triphosphate (IP3) functions as a second messenger for a myriad of extracellular stimuli including hormones, growth factors and neurotransmitters. Receptor tyrosine kinases indirectly increase the intracellular levels of IP3 through the activation of phospholipases such as phospholipase C (PLC), which convert phosphatidylinositol-4,5 bisphosphate into IP3 and diacylglycerol (DAG). The inositol 1,4,5-triphosphate receptor, IP3R, acts as an inositol triphosphate (IP3)-gated calcium release channel in a variety of cell types. Three IP3 receptor subtypes have been described and are designated IP3R-I, IP3R-II and IP3R-III. IP3R-I is the predominant IP3R subtype expressed in neuronal tissues and the central nervous system, but is also expressed at high levels in the liver. **Function:** Transcriptional repressor that binds specifically to the PRDI element in the promoter of the beta-interferon gene. Drives the maturation of

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	B-lymphocytes into Ig secreting cells. **Subunit:** Homotetramer. Interacts with SIGMAR1, PML, AKT1, TRPC1, TRPC3 and TRPC4 (By similarity). Interacts with CABP1. Interacts with TMBIM4/LFG4. **Subcellular Location:** Endoplasmic reticulum membrane. **Tissue Specificity:** Expressed in intestinal crypt and villus epithelial cells. **Similarity:** Belongs to the InsP3 receptor family. Contains 5 MIR domains. **Database links:** **Entrez Gene:** 3710 Human Omim: 147267 Human **SwissProt:** Q14573 Human **Unigene:** 65758 Human

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); 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 (ITPR3) Polyclonal Antibody, Unconjugated (SL6471R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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