

Jaw1 Rabbit pAb

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Catalog # AP56604

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q12912
Reactivity	Rat, Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62122
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Jaw1
Epitope Specificity	401-500/555
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm and Endoplasmic reticulum membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encode dby this gene is expressed in a developmentally regulated manner in lymphoid cell lines and tissues. The protein is localized to the cytoplasmic face of the endoplasmic reticulum. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	4033
Other Names	Inositol 1, 4, 5-triphosphate receptor associated 2, Lymphoid-restricted membrane protein, Protein Jaw1, Processed inositol 1, 4, 5-triphosphate receptor associated 2, IRAG2 (HGNC:6690), JAW1, LRMP
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

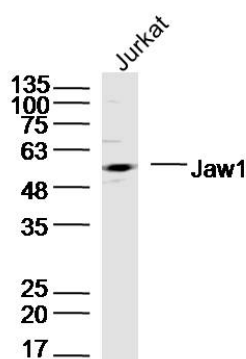
Name	IRAG2 (HGNC:6690)
Synonyms	JAW1, LRMP

Function	Plays a role in the delivery of peptides to major histocompatibility complex (MHC) class I molecules; this occurs in a transporter associated with antigen processing (TAP)-independent manner. May play a role in taste signal transduction via ITPR3. May play a role during fertilization in pronucleus congression and fusion. Plays a role in maintaining nuclear shape, maybe as a component of the LINC complex and through interaction with microtubules. Plays a role in the regulation of cellular excitability by regulating the hyperpolarization-activated cyclic nucleotide-gated HCN4 channel activity (By similarity).
Cellular Location	[Processed inositol 1,4,5-triphosphate receptor associated 2]: Cytoplasm {ECO:0000250 UniProtKB:Q60664}
Tissue Location	Expressed at high levels in pre B-cells, mature B- cells and pre T-cells. Expressed at low levels in mature T-cells and plasma B-cells. Expressed in germinal center B-cells, splenic marginal zone cells and B-cell lymphomas. Expressed in neuronal cells in the cerebral cortex, epithelial cells in tonsil, adrenal glands, zymogen- producing cells in the stomach and epithelial cells in seminal vesicles.

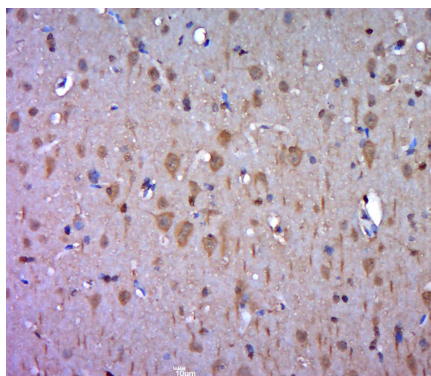
Background

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Images



Sample: Jurkat (Human) Cell Lysate at 40 ug
 Primary: Anti-Jaw1 (AP56604) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 62 kD
 Observed band size: 62 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Jaw1) Polyclonal Antibody, Unconjugated (AP56604) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.