

MRVI1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56856

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q9Y6F6
Reactivity	Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97957

Additional Information

Gene ID	10335
Other Names	Inositol 1, 4, 5-triphosphate receptor associated 1, Inositol 1, 4, 5-trisphosphate receptor-associated cGMP kinase substrate, JAW1-related protein MRVI1, Protein MRVI1, IRAG1 (HGNC:7237), IRAG, JAW1L, MRVI1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=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	IRAG1 (HGNC:7237)
Synonyms	IRAG, JAW1L, MRVI1
Function	Plays a role as NO/PRKG1-dependent regulator of IP3-induced calcium release; its phosphorylation by PRKG1 inhibits bradykinin and IP3-induced calcium release from intracellular stores. Recruits PRKG1 to the endoplasmic reticulum and may mediate the assembly of PRKG1 and ITPR1 in a macrocomplex. Involved in PRKG1 signaling cascade leading to inhibition of platelet activation and aggregation. Also mediates NO- dependent inhibition of calcium signaling in gastrointestinal smooth muscle contributing to NO-dependent relaxation (PubMed: 14729908). Plays a role in the regulation of cellular excitability by regulating the hyperpolarization-activated cyclic nucleotide-gated HCN4 channel activity (By similarity).
Cellular Location	Cytoplasm, perinuclear region. Sarcoplasmic reticulum. Membrane; Single-pass membrane protein
Tissue Location	Expressed in the colon, rectum, and cultured colonic smooth muscle.

Detected in various cancer cell lines

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