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FAIM2 Rabbit pAb

Catalog # AP99899

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9BWQ8
Other Accession	Q9BWQ8
Predicted	Rat, Pig, Human, Mouse, Rabbit, Monkey, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35110
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAIM2
Epitope Specificity	211-316/316
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the BI1 family. LFG subfamily.
SUBUNIT	Interacts with FAS/TNFRSF6 and BAX.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Programmed cell death regulates a number of biological processes such as normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer. FAIM2 is a recently identified protein that can inhibit the apoptotic signal transduced by the Fas receptor but not from the related tumor necrosis factor-alpha death signal. In this respect, FAIM2 is functionally similar to the anti-apoptotic proteins FAIM, FLIP and Bcl-xL. FAIM2, a seven membrane spanning protein, can bind the Fas receptor but does not regulate Fas expression or inhibit binding of FADD to Fas. FAIM2 is widely distributed, but highly expressed in the hippocampus and other neural tissues. FAIM2 was also identified as the neural membrane protein 35 (NMP35) and its expression is known to be regulated by the Phosphatidylinositol 3-kinase-Akt/PKB pathway.

Additional Information

Gene ID	23017
Other Names	LFG; LFG2; NGP35; NMP35; TMBIM2; 2900002L20Rik; NMP25; LFG2_HUMAN; FAIM2; Fas apoptotic inhibitory molecule 2; Neural membrane protein 35; Transmembrane BAX inhibitor motif-containing protein 2; KIAA0950; LFG2_MOUSE; LFG2_RAT; transmembrane BAX inhibitor motif containing 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	FAIM2
Synonyms	KIAA0950, LFG, LFG2, NMP35, TMBIM2
Function	Antiapoptotic protein which protects cells uniquely from Fas- induced apoptosis. Regulates Fas-mediated apoptosis in neurons by interfering with caspase-8 activation. May play a role in cerebellar development by affecting cerebellar size, internal granular layer (IGL) thickness, and Purkinje cell (PC) development.
Cellular Location	Cell membrane; Multi-pass membrane protein. Membrane raft Postsynaptic cell membrane
Tissue Location	Highly expressed in breast carcinoma tissues. Enhanced expression correlates with the grade of the tumor (grade II/grade III) in primary breast tumors (at protein level). Widely expressed. Expressed at high levels in the brain especially in the hippocampus.

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