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ADAP/FYB Recombinant Rabbit mAb

Catalog # AP97137

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O15117
Other Accession	O15117
Reactivity	Rat, Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	85387
Physical State	Liquid
Immunogen	A synthesized peptide derived from human FYN binding protein 1
Epitope Specificity	700-783/783
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Contains 1 SH3 domain.
SUBUNIT	Part of a complex consisting of SKAP2, FYB and PTPNS1. Part of a complex consisting of SKAP2, FYB and LILRB3 (By similarity). Interacts with FYN, LCP2, SKAP1 and SKAP2. Interacts with FASLG. Interacts with EVL.
Post-translational modifications	T-cell receptor ligation leads to increased tyrosine phosphorylation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Acts as an adapter protein of the FYN and LCP2 signaling cascades in T-cells.May play a role in linking T-cell signaling to remodeling of the actin cytoskeleton.

Additional Information

Gene ID	2533
Other Names	ADAP; FYB; PRO0823; SLAP-130; SLAP130; THC3; B630013F22Rik; FYB-120/130; p120/130; p120/p130; FYB1_HUMAN; FYB1; Adhesion and degranulation promoting adaptor protein (ADAP); FYB-120/130 (p120/p130); FYN-T-binding protein; SLP-76-associated phosphoprotein; FYB1_MOUSE; FYN binding protein 1; FYN-binding protein (FYB-120/130); FYN binding protein; adhesion and degranulation promoting adaptor protein
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500,Flow-Cyt=1:50-100
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	FYB1 (HGNC:4036)
Synonyms	FYB, SLAP130
Function	Acts as an adapter protein of the FYN and LCP2 signaling cascades in T-cells (By similarity). May play a role in linking T-cell signaling to remodeling of the actin cytoskeleton (PubMed:10747096, PubMed:16980616). Modulates the expression of IL2 (By similarity). Involved in platelet activation (By similarity). Prevents the degradation of SKAP1 and SKAP2 (PubMed:15849195). May be involved in high affinity immunoglobulin epsilon receptor signaling in mast cells (By similarity).
Cellular Location	Cytoplasm. Nucleus {ECO:0000255|PROSITE-ProRule:PRU00768}. Cell junction {ECO:0000250|UniProtKB:O35601}. Note=Colocalizes with TMEM47 at cell-cell contacts in podocytes. {ECO:0000250|UniProtKB:O35601}
Tissue Location	Expressed in hematopoietic tissues such as myeloid and T-cells, spleen and thymus. Not expressed in B-cells, nor in non- lymphoid tissues

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