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FYB Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52751

Product Information

Application	WB
Primary Accession	O15117
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	85387

Additional Information

Gene ID	2533
Other Names	ADAP;Adhesion and degranulation promoting adaptor protein;FYB 120/130;Fyb;FYB-120/130; FYB_HUMAN;FYN binding protein;FYN T binding protein;FYN-binding protein;FYN-T-binding protein;p120/p130;PRO0823;SLAP 130;SLAP-130;SLAP130;SLP 76 associated phosphoprotein; SLP-76-associated phosphoprotein;SLP76 associated phosphoprotein.
Dilution	WB~~1:500
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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

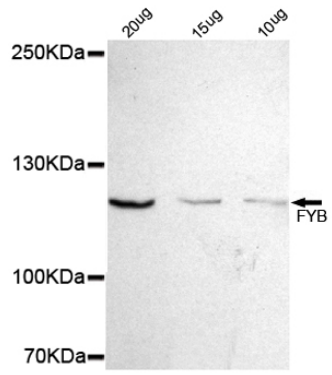
Background

Acts as an adapter protein of the FYN and LCP2 signaling cascades in T-cells. Modulates the expression of interleukin-2 (IL-2). Involved in platelet activation. Prevents the degradation of SKAP1 and SKAP2. May play a role in linking T-cell signaling to remodeling of the actin cytoskeleton.

References

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Musci M.A.,et al.J. Biol. Chem. 272:11674-11677(1997).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Images



Western blot detection of FYB in 10,20 and 30ug Jurkat cell lysate using FYB mouse mAb (1:500 diluted).Predicted band size:120KDa.Observed band size:120KDa.

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