

FYB Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52751**Specification**

FYB Antibody - Product Information

Application	WB
Primary Accession	O15117
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	120 KDa

FYB Antibody - 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.

FYB Antibody - 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}

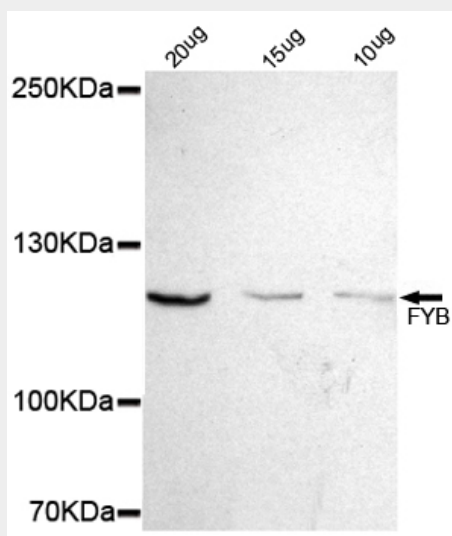
Tissue Location

Expressed in hematopoietic tissues such as myeloid and T-cells, spleen and thymus. Not expressed in B-cells, nor in non- lymphoid tissues

FYB Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FYB Antibody - 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.

FYB Antibody - 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.

FYB Antibody - References

da Silva A.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:7493-7498(1997).
Musci M.A.,et al.J. Biol. Chem. 272:11674-11677(1997).

Krause M.,et al.J. Cell Biol. 149:181-194(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Schmutz J.,et al.Nature 431:268-274(2004).