

## Fyb Monoclonal Antibody

<b>Catalog No :</b>	YM1037
<b>Reactivity :</b>	Human;Rat
<b>Applications :</b>	WB
<b>Target :</b>	Fyb
<b>Fields :</b>	>>Rap1 signaling pathway;>>Yersinia infection
<b>Gene Name :</b>	FYB
<b>Protein Name :</b>	FYN-binding protein
<b>Human Gene Id :</b>	2533
<b>Human Swiss Prot No :</b>	O15117
<b>Mouse Swiss Prot No :</b>	O35601
<b>Immunogen :</b>	Purified recombinant human Fyb protein fragments expressed in E.coli.
<b>Specificity :</b>	Fyb Monoclonal Antibody detects endogenous levels of Fyb protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:1000 - 1:2000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	85kD

## Background :

The protein encoded by this gene is an adapter for the FYN protein and LCP2 signaling cascades in T-cells. The encoded protein is involved in platelet activation and controls the expression of interleukin-2. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011],

## Function :

function: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.,PTM:T-cell receptor ligation leads to increased tyrosine phosphorylation.,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.,tissue specificity:Expressed in hematopoietic tissues such as myeloid and T-cells, spleen and thymus. Not expressed in B-cells, nor in non-lymphoid tissues.,

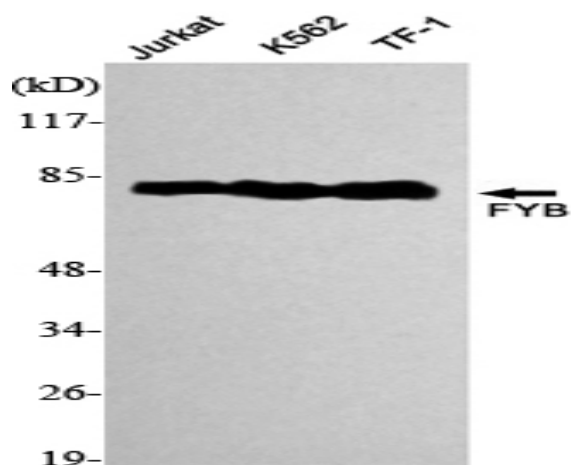
## Subcellular Location :

Cytoplasm . Nucleus . Cell junction . Colocalizes with TMEM47 at cell-cell contacts in podocytes. .

## Expression :

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

## Products Images



Western Blot analysis using Fyb Monoclonal Antibody against Jurkat, K562, TF-1 cell lysate.