

## Rab 1B Polyclonal Antibody

<b>Catalog No :</b>	YT3921
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	Rab 1B
<b>Fields :</b>	>>Legionellosis
<b>Gene Name :</b>	RAB1B
<b>Protein Name :</b>	Ras-related protein Rab-1B
<b>Human Gene Id :</b>	81876
<b>Human Swiss Prot No :</b>	Q9H0U4
<b>Mouse Gene Id :</b>	76308
<b>Mouse Swiss Prot No :</b>	Q9D1G1
<b>Rat Swiss Prot No :</b>	P10536
<b>Immunogen :</b>	Synthesized peptide derived from Rab 1B . at AA range: 50-130
<b>Specificity :</b>	Rab 1B Polyclonal Antibody detects endogenous levels of Rab 1B protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 22kD

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**Background :** Members of the RAB protein family, such as RAB1B, are low molecular mass monomeric GTPases localized on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB1B functions in the early secretory pathway and is essential for vesicle transport between the endoplasmic reticulum (ER) and Golgi (Chen et al., 1997 [PubMed 9030196]; Alvarez et al., 2003 [PubMed 12802079]).[supplied by OMIM, Jan 2009],

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**Function :** function:Protein transport. Regulates vesicular transport between the endoplasmic reticulum and successive Golgi compartments.,miscellaneous:Rab-1B binds GTP and GDP and possesses intrinsic GTPase activity.,PTM:Prenylated; by GGTase II, only after interaction of the substrate with Rab escort protein 1 (REP1).,similarity:Belongs to the small GTPase superfamily. Rab family.,subcellular location:Targeted by REP1 to membranes of specific subcellular compartments including endoplasmic reticulum, Golgi apparatus, and intermediate vesicles between these two compartments. In the GDP-form, colocalizes with GDI in the cytoplasm.,subunit:Interacts with MICAL1, MICAL2 and MICAL3. Interacts with GDI1; the interaction requires the GDP-bound state. Interacts with CHM/REP1; the interaction requires the GDP-bound form and is necessary for prenylation by GGTase II.,

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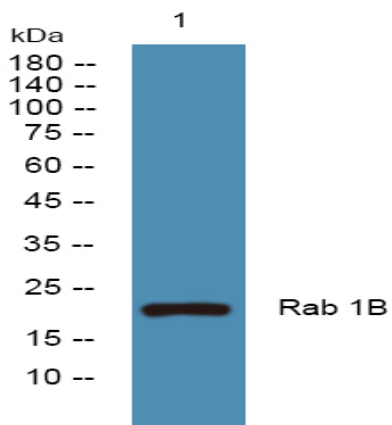
**Subcellular Location :** Cytoplasm . Membrane ; Lipid-anchor ; Cytoplasmic side . Preautophagosomal structure membrane ; Lipid-anchor ; Cytoplasmic side . Cytoplasm, perinuclear region . Targeted by REP1 to membranes of specific subcellular compartments including endoplasmic reticulum, Golgi apparatus, and intermediate vesicles between these two compartments (PubMed:11389151). In the GDP-form, colocalizes with GDI in the cytoplasm (PubMed:11389151). Co-localizes with MTMR6 to the endoplasmic reticulum-Golgi intermediate compartment and to the peri-Golgi region (By similarity). .

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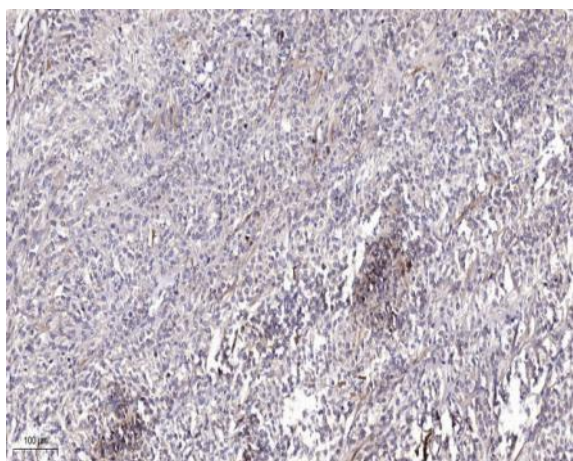
**Expression :** B-cell lymphoma,Brain,Muscle,Pancreas,

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## Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).