

产品名称: Rab 1B Rabbit Polyclonal Antibody
产品货号: AP Rab16743



产品概述 (Summary)

产品名称 (Production Name)	Rab 1B Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	RAB1B
别名 (Alternative Names)	RAB1B; Ras-related protein Rab-1B
基因 ID (Gene ID)	81876.0
蛋白 ID (SwissProt ID)	Q9H0U4.Synthesized peptide derived from Rab 1B . at AA range: 50-130

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	22kDa

研究背景 (Background)

Members of the RAB protein family, such as RAB1B, are low molecular mass monomeric GTPases localized on the

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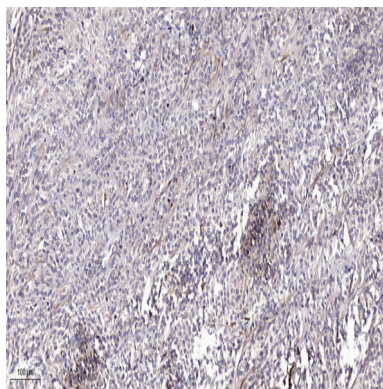


cytoplasmic surfaces of distinct membrane-bound organelles. RAB1B functions in the early secretory pathway and is essential for vesicle transport between the endoplasmic reticulum (ER) and Golgi (Chen et al., 1997 [PubMed 9030196]; Alvarez et al., 2003 [PubMed 12802079]).[supplied by OMIM, Jan 2009],function:Protein 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.,

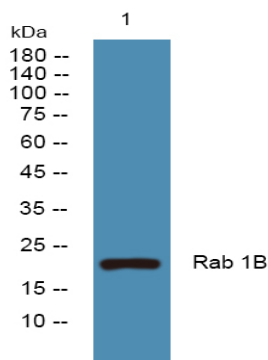
研究领域 (Research Area)

Signaling Pathway; G Protein Signaling; Small G Proteins; Ras Family; Signal Transduction; Protein Trafficking; Vesicle Transport; Regulation

图片 (Image Data)



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) .



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

注意事项 (Note)

For research use only .