

Rab11-FIP1 Polyclonal Antibody

Catalog No :	YT3942
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	Rab11-FIP1
Fields :	>>Endocytosis
Gene Name :	RAB11FIP1
Protein Name :	Rab11 family-interacting protein 1
Human Gene Id :	80223
Human Swiss Prot No :	Q6WKZ4
Mouse Gene Id :	75767
Mouse Swiss Prot No :	Q9D620
Immunogen :	Synthesized peptide derived from Rab11-FIP1 . at AA range: 70-150
Specificity :	Rab11-FIP1 Polyclonal Antibody detects endogenous levels of Rab11-FIP1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

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

Molecularweight : 137kD

Cell Pathway : Endocytosis;

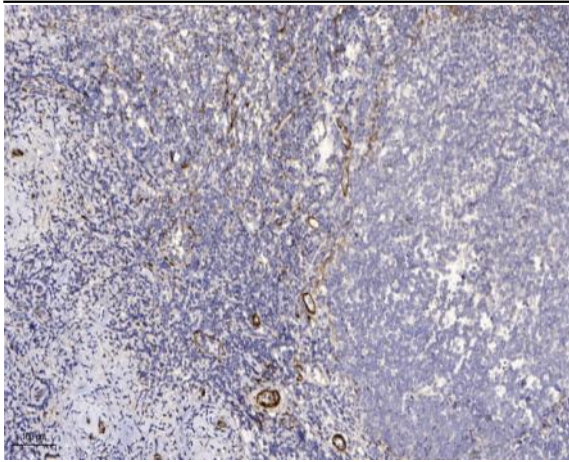
Background : This gene encodes one of the Rab11-family interacting proteins (Rab11-FIPs), which play a role in the Rab-11 mediated recycling of vesicles. The encoded protein may be involved in endocytic sorting, trafficking of proteins including integrin subunits and epidermal growth factor receptor (EGFR), and transport between the recycling endosome and the trans-Golgi network. Alternative splicing results in multiple transcript variants. A pseudogene is described on the X chromosome. [provided by RefSeq, Dec 2013],

Function : function:A Rab11 effector protein involved in the endosomal recycling process. Also involved in controlling membrane trafficking along the phagocytic pathway and in phagocytosis.,similarity:Contains 1 C2 domain.,subcellular location:Membrane-bound (isoform 2). Colocalizes with Rab11A at phagosomes (isoform 2).,subcellular location:Rab11A rather than Rab4A mediates localization in the endocytic recycling compartment (ERC).,subunit:Homooligomer (isoform 2). Isoform 2 interacts with RAB4A, RAB11A, RAB11B and RAB25. According to PubMed:15280022, RAB4A binding to RAB11FIP1 is of very low affinity in vitro and in vivo.,tissue specificity:Isoform 2 is expressed in brain, heart, testis, lung, spleen, ovary and small intestine.,

Subcellular Location : Recycling endosome . Rab11A rather than Rab4A mediates localization in the endocytic recycling compartment (ERC).; [Isoform 2]: Cytoplasmic vesicle, phagosome membrane. Membrane-bound (isoform 2). Colocalizes with Rab11A at phagosomes (isoform 2).

Expression : Isoform 2 is expressed in brain, heart, testis, lung, spleen, ovary and small intestine.

Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 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, 30min).