



TRIO Polyclonal Antibody

Catalog No	YP-Ab-06754
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF
Gene Name	TRIO
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TRIO Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-300. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	tgat;TRIO;Triple functional domain protein (EC 2.7.11.1) (PTPRF-interacting protein)
Observed Band	340kD
Calculated Molecular Weight	340kD
Cell Pathway	Cytoplasm . Cell projection .
Tissue Specificity	Widely expressed, with highest levels in heart, skeletal muscle, and brain.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The N-terminal DBL/GEF domain specifically catalyzes nucleotide exchange for RAC1, leading to the activation of Jun kinase and the production of membrane ruffles. The second DBL/GEF domain is an exchange factor for rhoa and induces the formation of stress fibers.,function:Promotes the exchange of GDP by GTP. Together with leukocyte antigen-related (LAR) protein, it could play a role in coordinating cell-matrix and cytoskeletal rearrangements necessary for cell migration and cell growth.,PTM:Phosphorylated on serine residue(s).,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.,similarity:Contains 1 CRAL-TRIO domain.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 DH (DBL-homology) domains.,similar



Background

This gene encodes a large protein that functions as a GDP to GTP exchange factor. This protein promotes the reorganization of the actin cytoskeleton, thereby playing a role in cell migration and growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],

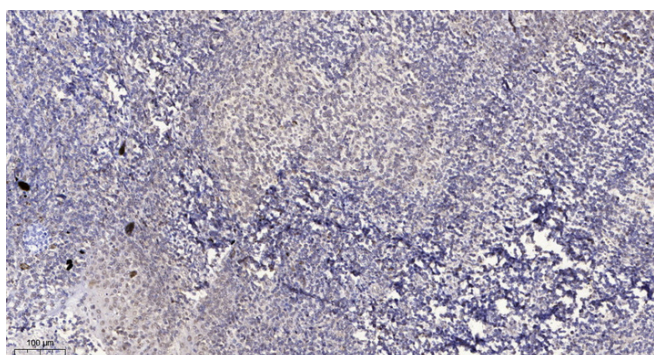
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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).