

Product name:	TRIO Rabbit Polyclonal Antibody
Cat number:	ABN19277
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from part region of human protein
Reactivity:	Human, Mouse
Applications:	IHC 1:50-1:300, ICC/IF 1:50-1:200
Molecular Weight:	340kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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], 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., similarity: Contains 2 PH domains., similarity: Contains 2 SH3 domains., similarity: Contains 4 spectrin repeats., subunit: Interacts to form a complex with leukocyte antigen related protein., tissue specificity: Highly expressed in heart, skeletal muscle, brain, pancreas, placenta, liver, kidney and lung.,