Anti-Rap 2B antibody

Description	Rabbit polyclonal to Rap 2B.

Model	STJ95368
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Rap 2B
Immunogen Region	70-150 aa, Internal
Gene ID	5912
Gene Symbol	RAP2B
Dilution range	WB 1:500-1:2000ELISA 1:20000
Specificity	Rap 2B Polyclonal Antibody detects endogenous levels of Rap 2B protein.
Tissue Specificity	Expressed in red blood cells (at protein level).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ras-related protein Rap-2b
Molecular Weight	18 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9862OMIM:179541
Alternative Names	Ras-related protein Rap-2b
Function	Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. Involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNIK. May regulate membrane vesiculation in red blood cells.
Sequence and Domain Family	The effector domain mediates the interaction with RUNDC3A.
Cellular Localization	Recycling endosome membrane. Associated with red blood cells-released vesicles.
Post-translational Modifications	Palmitoylated. Unlike RAP2A and RAP2C, palmitoylation of RAP2B is not required for association with recycling endosome membranes and activation of TNIK.