

Rabbit Anti-RAP2B/AF350 Conjugated antibody

SL2330R-AF350

Product Name	Anti-RAP2B/AF350
Chinese Name	AF350 标记的原癌基因相关蛋白 RAP2B 抗体
Alias	RAP 2B; RAP2B member of RAS oncogene family; Ras family small GTP binding protein RAP2B; Ras related protein RAP 2B; Ras related protein RAP2B ; Small GTP binding protein.RAP2B_HUMAN
Research Area	Tumour immunology transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Cow,Horse,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	20kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human RAP2B
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: RAP2B belongs to a family of RAS-related GTP-binding proteins. RAP proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. However, at their 61st amino acid the glutamine in RAS proteins is replaced by threonine in

RAP proteins. RAP2A interacts with phospholipase C, epsilon 1 (PLCE1).

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.

Subunit:

Interacts with PLCE1. Interacts with SGSM1, SGSM2 and SGSM3. The GTP-bound form of RAP2B interacts with RUNDC3A

Subcellular Location:

Recycling endosome membrane; Lipid-anchor; Cytoplasmic side.
Note=Associated with red blood cells-released vesicles

Tissue Specificity:

Expressed in red blood cells

Post-translational modifications:

Palmitoylated. Palmitoylation is required for association with recycling endosome membranes and activation of TNIK

Similarity:

Belongs to the small GTPase superfamily. Ras family.

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.