



Rabbit Anti-Rab25 antibody

SL6501R

| | |
|-------------------------------|---|
| Product Name: | Rab25 |
| Chinese Name: | 癌基因RAS相关蛋白Rab25抗体 |
| Alias: | CATX 8; CATX-8; CATX8; member RAS oncogene family; RAB25; RAB-25; RAB25 HUMAN; Ras related protein Rab 25; Ras-related protein Rab-25. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 23kDa |
| Cellular localization: | cytoplasmicThe cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human Rab25 (145-190aa):145-190/213 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | RAB proteins, such as RAB25, are members of the RASsuperfamily of small GTPases that are involved in membranetrafficking. Members of the RAB11 subfamily, including RAB25,control the return of internalized membrane-associated moieties tothe cell surface |

Function:

Involved in the regulation of cell survival. Promotes invasive migration of cells in which it functions to localize and maintain integrin alpha-V/beta-1 at the tips of extending pseudopodia. Increases the rates of ovarian and breast cancer progression and aggressiveness by modulating cellular processes such as proliferation, survival and migration of epithelial tumor cells. May selectively regulate the apical recycling pathway. Together with MYO5B regulates transcytosis

Subunit:

Interacts with RAB11FIP1, RAB11FIP2, RAB11FIP3 and RAB11FIP4. Interacts (via the hypervariable C-terminal region) with ITGB1 (via the cytoplasmic region); the interaction is GTP-dependent. Interacts with ITGAV. Associates with the integrin alpha-V/beta-1 heterodimer.

Subcellular Location:

Cell membrane; Lipid-anchor; Cytoplasmic side (Potential). Cell projection, pseudopodium membrane. Cytoplasmic vesicle. Note=Colocalizes with integrin alpha-V/beta-1 in vesicles at the pseudopodial tips.

Tissue Specificity:

Expressed in ovarian epithelium (NOE) and breast tissue. Expressed in ovarian cancer; expression is increased relative to NOE cells. Expression in ovarian cancer is stage dependent, with stage III and stage IV showing higher levels than early stage cancers. Expressed in breast cancer; expression is increased relative to normal breast tissue.

Similarity:

Belongs to the small GTPase superfamily. Rab family.

SWISS:

P57735

Gene ID:

57111

Database links:

[Entrez Gene: 57111](#) Human

[Entrez Gene: 53868](#) Mouse

[Omim: 612942](#) Human

[SwissProt: P57735](#) Human

[SwissProt: Q9WTL2](#) Mouse

[SwissProt: P46629](#) Rabbit

[Unigene: 632469](#)Human

[Unigene: 26994](#)Mouse

Important Note:

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

www.sunlongbiotech.com