

RAB25 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16015c**Specification**

RAB25 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P57735](#)**RAB25 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 57111**Other Names**

Ras-related protein Rab-25, CATX-8, RAB25, CATX8

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RAB25 Antibody (Center) Blocking Peptide - Protein Information**Name** RAB25 ([HGNC:18238](#))**Synonyms** CATX8**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 (PubMed:17925226). Involved in the regulation of epithelial morphogenesis through the control of CLDN4 expression and localization at tight junctions (By similarity). May selectively regulate the apical recycling pathway. Together with MYO5B regulates transcytosis (By similarity).

Cellular Location

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

Tissue Location

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.

RAB25 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RAB25 Antibody (Center) Blocking Peptide - Images

RAB25 Antibody (Center) Blocking Peptide - Background

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 (Caswell et al., 2007 [PubMed 17925226]).[suppliedby OMIM].

RAB25 Antibody (Center) Blocking Peptide - References

Cheng, J.M., et al. Int. J. Cancer 126(12):2799-2812(2010)Nam, K.T., et al. J. Clin. Invest. 120(3):840-849(2010)Caswell, P.T., et al. Dev. Cell 13(4):496-510(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Fan, Y., et al. Pathology 38(6):561-567(2006)