

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RAB25 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human RAB5A, 10, 11A, 27A, or 27B is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 467657
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human RAB25 Met1-Ala195 Accession # P57735
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Ras-related protein RAB25, also known as CATX-8, is a 23 kDa (unglycosylated) member of the small GTPase superfamily and RAB family of proteins. Human RAB25 is 213 amino acids (aa) in length. The mature chain runs from aa 1-210 with residues 211-213 constituting a propeptide. Residues 10-174 are noted to be RAB11-like. RAB11a, RAB11b, and RAB25 are closely related RAB proteins that are differentially expressed. Human RAB25 shares 96% aa sequence identity with mouse RAB25. Functionally, RAB25 is involved in the regulation of cell survival. Researchers have shown that RAB25 promotes invasive migration of cells and increases the rates and aggressiveness of breast and ovarian cancers. It is expressed in breast and ovarian tissues.

PRODUCT SPECIFIC NOTICES

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