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Datasheet for ABIN969489

anti-RAB25 antibody

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	RAB25
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Purified recombinant fragment of Rab25 expressed in E. coli.
Clone:	3F12F3
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	RAB25
Alternative Name:	Rab25 (RAB25 Products)
Background:	Description: Members of the Ras-related superfamily of GTP binding proteins, which includes Ras, Rho, Rab and ARF subfamilies, exhibit 30-50 % similarity with Ras p21. Rab proteins play an important role for either in endocytosis or in biosynthetic protein transport. The possibility that Rab proteins might also direct the exocytosis from secretory vesicles to the plasma membrane is supported by the observation that in yeast, the SEC4 protein, which is 40 % similar

Target Details

to Rab proteins, is associated with secretory vesicles. Rab proteins located on the cytoplasmic face of organelles and vesicles, rab proteins are involved in intracellular membrane fusion reactions. Rab25 was cloned from a gastric parietal cell cDNA library and is expressed in epithelial tissues such as the gastrointestinal mucosae, kidney, and lung, which encoded a protein of 28 kDa

Aliases: CATX-8, RAB25

Gene ID: 57111

HGNC: 57111

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS containing 0.03 % sodium azide.

Preservative: Sodium azide

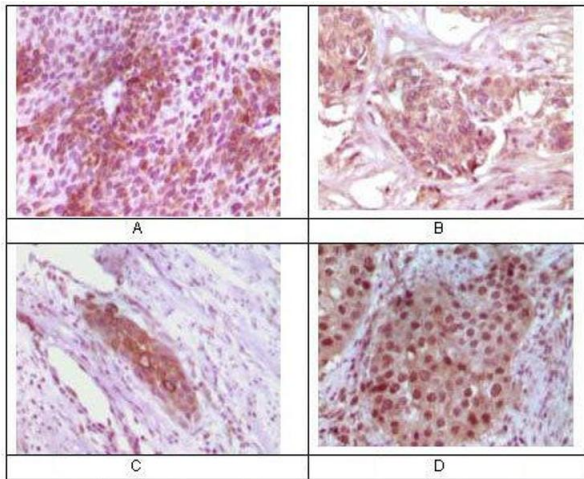
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

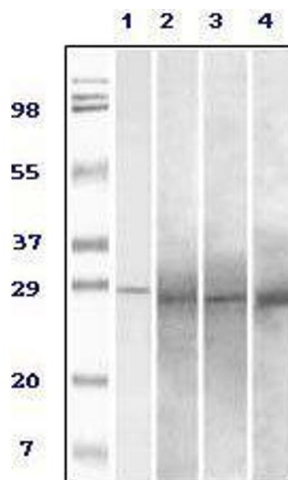
Publications

Product cited in: Trilck, Peter, Zheng, Frank, Dobrenis, Mascher, Rolfs, Frech: "Diversity of glycosphingolipid GM2 and cholesterol accumulation in NPC1 patient-specific iPSC-derived neurons." in: **Brain research**, Vol. 1657, pp. 52-61, (2016) ([PubMed](#)).



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human bladder carcinoma (A), breast carcinoma (B), esophagus carcinoma (C), skin carcinoma (D) tissue, showing cytoplasmic localization using Rab25 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using Rab25 mouse mAb against truncated Rab25 recombinant protein (1), human ovary carcinoma (2), stomach carcinoma (3), breast carcinoma (4) tissue lysate.