

Datasheet for ABIN6264557
anti-RAB14 antibody (C-Term)

3 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | RAB14 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RAB14 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human RAB14, corresponding to a region within C-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | RAB14 Antibody detects endogenous levels of total RAB14. |
| Predicted Reactivity: | Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

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|---------|-------|
| Target: | RAB14 |
|---------|-------|

Target Details

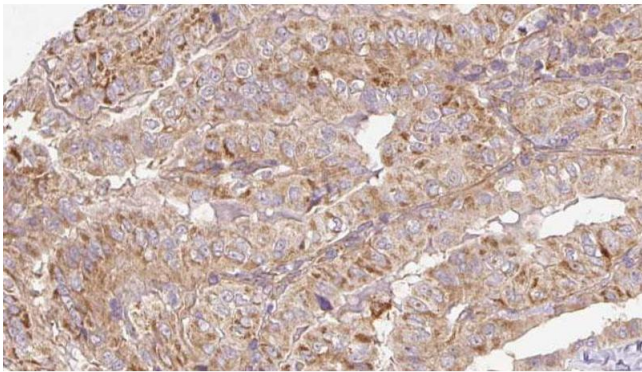
| | |
|-------------------|---|
| Alternative Name: | RAB14 (RAB14 Products) |
| Background: | <p>Description: Involved in membrane trafficking between the Golgi complex and endosomes during early embryonic development. Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development. May act by modulating the kinesin KIF16B-cargo association to endosomes (By similarity). Regulates, together with its guanine nucleotide exchange factor DENND6A, the specific endocytic transport of ADAM10, N-cadherin/CDH2 shedding and cell-cell adhesion.</p> <p>Gene: RAB14</p> |
| Molecular Weight: | 24 kDa |
| Gene ID: | 51552 |
| UniProt: | P61106 |
| Pathways: | Asymmetric Protein Localization , SARS-CoV-2 Protein Interactome |

Application Details

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|--------------------|---|
| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 |
| Restrictions: | For Research Use only |

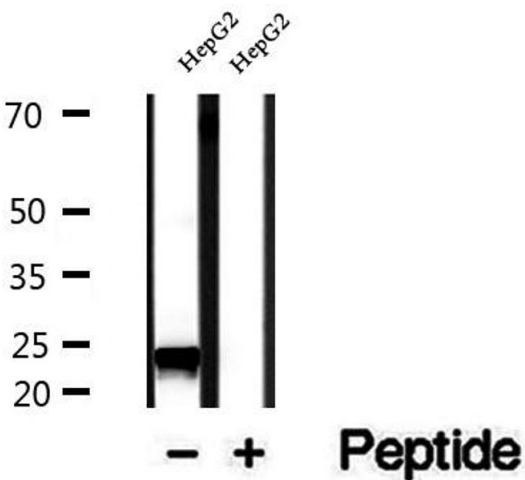
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| 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: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |



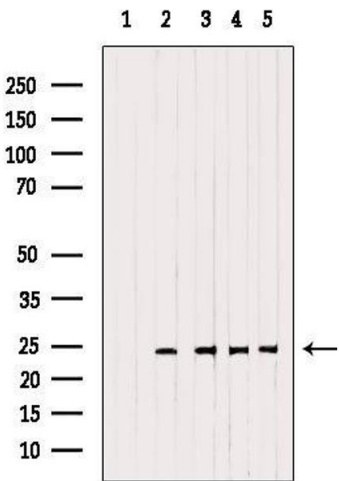
Immunohistochemistry

Image 1. ABIN6273304 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

Image 2. Western blot analysis of extracts of HepG2 cells, using RAB14 antibody.



Western Blotting

Image 3. Western blot analysis of extracts from various samples, using RAB14 Antibody. Lane 1: Mouse spleen treated with blocking peptide; Lane 2: Mouse spleen; Lane 3: HepG2; Lane 4: 3T3; Lane 5: Hela.