

Datasheet for ABIN6699197

**anti-RAB7A antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	RAB7A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAB7A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Purpose:	RAB7 Antibody
Immunogen:	Rab-7 Antibody was produced from whole rabbit serum prepared by repeated immunizations at the internal amino acids of human Rab-7 protein.
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Rab-7 from rat and New World monkey based on 100 % homology with the immunizing sequence.
Purification:	Anti-Rab-7 Antibody was purified by peptide affinity chromatography.

## Target Details

Target:	RAB7A
Alternative Name:	Rab-7 ( <a href="#">RAB7A Products</a> )

## Target Details

Background:	<p>Synonyms: RAB7, Ras-related protein Rab-7a</p> <p>Background: Anti-Rab7 antibody detects human Rab7. Rab7 is a 207 amino acid transport carrier, belonging to the Rab family of RAS-related GTP-binding proteins with 4 GTP/GDP-binding sites and terminates in sequences such as cys-X-cys, cys-cys or a closely related sequence. Rab7 located in specific intracellular compartments is known to be an important regulator of vesicular transport of proteins from early to late endosomes and lysosome biogenesis. Rab7 accelerates thyroid hormone production controlling aggregation and fusion of late lysosomes. It is ubiquitously expressed in most of the tissues and plays an essential role in maintenance of the perinuclear lysosome compartment. Anti-Rab7 antibody is ideal for investigators involved in cancer, NFkappaB, and signaling research, kinase and phosphatase protein research.</p> <p>Gene Name: RAB7A</p>
Gene ID:	7879
NCBI Accession:	<a href="#">NP_004628</a>
UniProt:	<a href="#">P51149</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	<p>Immunohistochemistry_Dilution: 10 µg/mL (paraffin)</p> <p>Western_Blott_Dilution: 0.5-1 µg/mL</p>
Comment:	Anti-Rab7 antibody has been tested in IF, IHC (p), and WB. Expect a band approximately 23kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

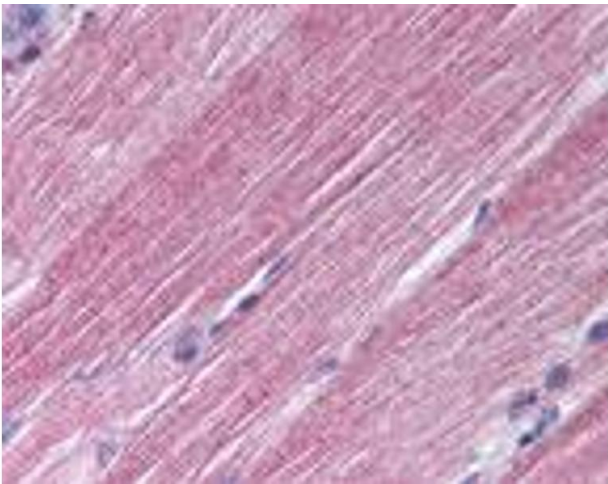
## Handling

Format:	Liquid
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 0.05 % BSA</p> <p>Preservative: 0.05 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

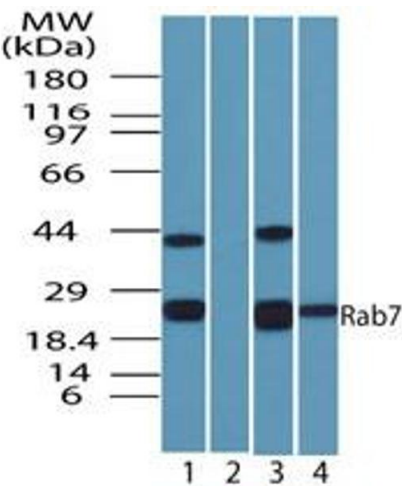
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Immunohistochemistry

**Image 1.** Rab-7 Immunohistochemistry. Immunohistochemistry of Rabbit Anti-Rab-7 antibody. Tissue: human skeletal muscle. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Rab-7 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Rab-7 is a late endosome protein found in the cytoplasmic and phagocytic vesicles and the melanosome. Staining: Rab-7 as a precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blotting

**Image 2.** Rab-7 Western Blot. Western Blot of Rabbit Anti-Rab-7 antibody. Lane 1: HeLa lysate without immunizing peptide. Lane 2: HeLa lysate with immunizing peptide. Lane 3: mouse NIH 3T3. Lane 4: RAW cells. Primary antibody: Rab-7 at 0.25 µg/mL for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for Rab-7. Other band(s): none.