

Datasheet for ABIN7167354
anti-RAB5 antibody (AA 1-215)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	RAB5 (RAB5A)
Binding Specificity:	AA 1-215
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAB5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ras-related protein Rab-5A protein (1-215AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	RAB5 (RAB5A)
Alternative Name:	RAB5A (RAB5A Products)
Background:	Background: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between

Target Details

an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB5A is required for the fusion of plasma membranes and early endosomes (PubMed:10818110, PubMed:14617813, PubMed:16410077, PubMed:15378032). Contributes to the regulation of filopodia extension (PubMed:14978216). Required for the exosomal release of SDCBP, CD63, PDCD6IP and syndecan (PubMed:22660413). Regulates maturation of apoptotic cell-containing phagosomes, probably downstream of DYN2 and PIK3C3 (By similarity).

Aliases: RAB 5 antibody, RAB 5A antibody, RAB5A antibody, RAB5A member RAS oncogene family antibody, RAB5A_HUMAN antibody, RAS associated protein RAB5A antibody, Ras related protein Rab 5A antibody, Ras-related protein Rab-5A antibody

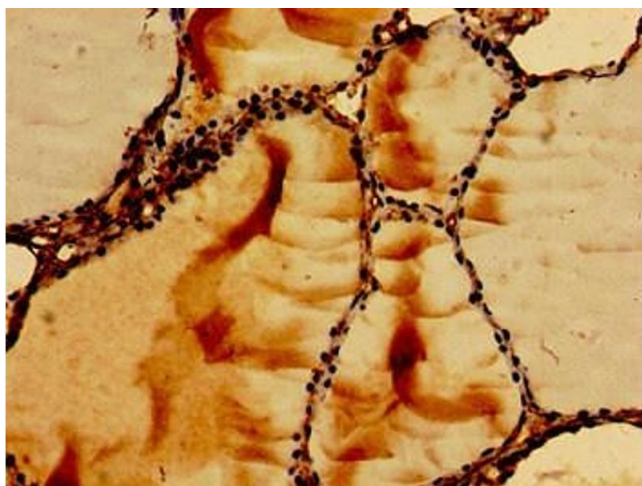
UniProt:	P20339
Pathways:	Smooth Muscle Cell Migration , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

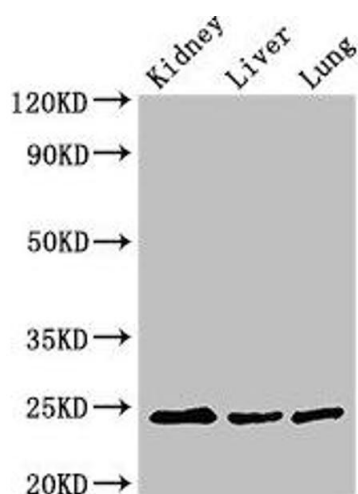
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



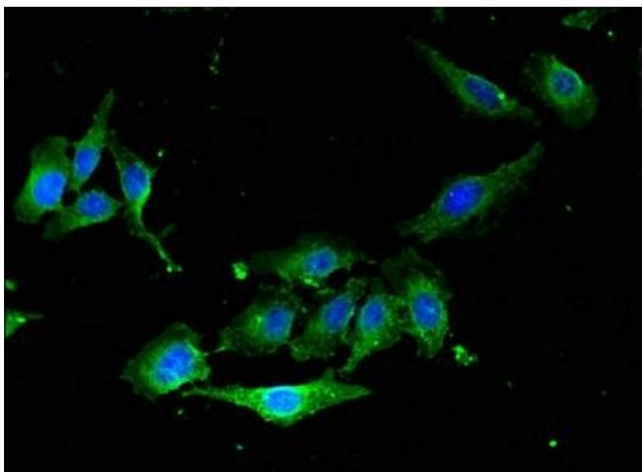
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human thyroid tissue using ABIN7167354 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse kidney tissue, Mouse liver tissue, Rat lung tissue All lanes: RAB5A antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 24, 23 kDa Observed band size: 24 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of HeLa cells using ABIN7167354 at dilution of 1: 100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7167354.