Mouse Monoclonal Antibody Rab7 conjugated to Sepharose Beads

CatalogNo: ANT8204-M

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Rab7 (ANT0045R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat,	• WB,IHC,IF,IP,ELISA

MW	Isotype
• 24kD (Calculated) 24kD (Observed)	• IgG,Kappa

Recommended Dilution Ratios

IP

Basic Information

Clonality	Monoclonal

Clone Number ANT0045R

Immunogen Information

Specificity Endogenous

Gene name RAB7A RAB7

Protein Name RAB7A

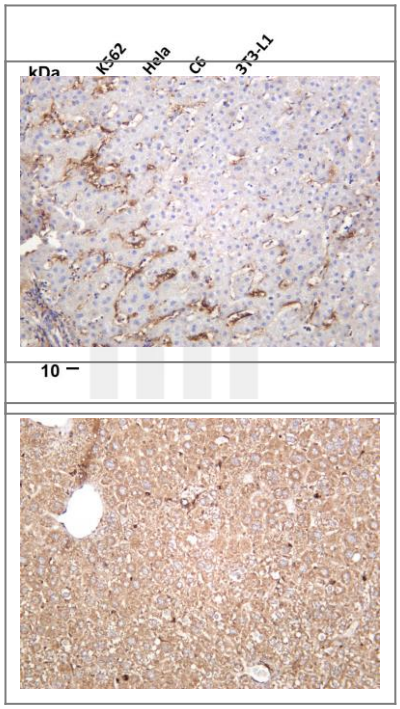
Organism	Gene ID	UniProt ID
Human	7879;	P51149;
Mouse	19349;	P51150;
Rat	29448;	P09527;

Cellular Localization Cytoplasm

Tissue specificity Widely expressed; high expression found in skeletal muscle.

Function Disease:Defects in RAB7A are the cause of Charcot-Marie-Tooth disease type 2B (CMT2B) [MIM:600882]; also known as hereditary motor and sensory neuropathy II (HMSN2). CMT2B is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT2 group are characterized by signs of axonal regeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy. CMT2B is clinically characterized by marked distal muscle weakness and a high frequency of foot ulcers, infections and amputations of the toes. CMT2B inheritance is autosomal dominant.,Function:Involved in late endocytic transport. Contributes to the maturation of phagosomes (acidification).,sequence Caution:Wrong choice of frame.,similarity:Belongs to the small GTPase superfamily. Rab family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Interacts with RILP.,tissue specificity:Widely expressed; high expression found in skeletal muscle.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Rab7 (ANT0045R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: Hela Lane 3: C6 Lane 4: 3T3-L1 Predicted band size: 24kDa Observed band size: 24kDa

Human liver was stained with anti-Rab7 (ANT0045R) rabbit antibody

Mouse liver was stained with anti-Rab7 (ANT0045R) rabbit antibody