

Anti-RAB6A Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 23 kDa. Actual: 25 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Adrenal gland (Mouse) Lysate at 40 µg Lane 2: Kidney (Mouse) Lysate at 40 µg Lane 3: Pancreas (Rat) Lysate at 40 µg Lane 4: Testis (Rat) Lysate at 40 µg Lane 5: Small intestine (Rat) Lysate at 40 µg Lane 6: Adrenal gland (Rat) Lysate at 40 µg Lane 7: Kidney (Rat) Lysate at 40 µg Lane 8: Siha (Human) Cell Lysate at 30 µg Lane 9: Huvec (Human) Cell Lysate at 30 µg Lane 10: HepG2 (Human) Cell Lysate at 30 µg Lane 11: MCF-7 (Human) Cell Lysate at 30 µg
Verified Activity:	Primary: Anti-RAB6A (TMAB-12007) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 24 kD Observed band size: 25 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human RAB6A
Antigen Species:	Human
Gene ID:	5870
Uniprot ID:	P20340

Research Background

The Ras-related superfamily of guanine nucleotide binding proteins, which includes the R-Ras, Rap, Ral/Rec and Rho/Rab subfamilies, exhibit 30-60% homology with Ras p21. Accumulating data suggests an important role for Rab proteins, either in endocytosis or in biosynthetic protein transport. The transport of newly synthesized proteins from

the endoplasmic reticulum to various stacks of the Golgi complex and to secretory vesicles involves, at each stage, the movement of carrier vesicles; a process that appears to involve Rab protein function. 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% homologous to Rab proteins, is associated with secretory vesicles. At least eight members of the Rab subfamily have been identified, each of which is found at a particular stage of a membrane transport pathway. Rab 6, also known as RAB6B, RAB6A or RAB6A, is a 208 amino acid protein that is ubiquitously expressed and is a member of the small GTPase superfamily.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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