

Anti-Rab4A Antibody (4X108)

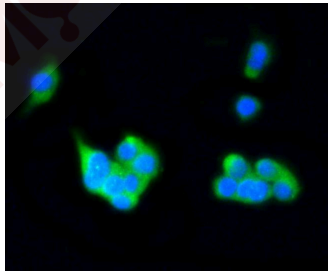
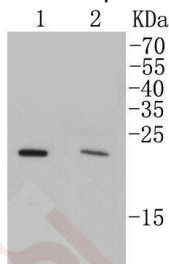
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 24 kDa.
Clone:	4X108
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Rab4A on different cell lysates using anti-Rab4A antibody at 1/500 dilution. Positive control: Lane 1: MCF-7, Lane 2: 293T.
2. ICC staining Rab4A in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application:	ICC/IF,IP,WB
Recommended	WB: 1:500-1000; ICC/IF: 1:50-200

Properties

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

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P20338
Synonyms:	RAB4A_HUMAN;RAB4A member RAS oncogene family;RAB4 member RAS oncogene family; Oncogene RAB4;RAB 4A;HRES 1 / RAB4;Ras related protein Rab4A;Ras-related protein Rab-4A; Rab 4;Ras related protein Rab 4A;Rab4a

Research Background

The Ras-related superfamily of guanine nucleotide binding proteins, which includes the R-Ras, Rap, Ral/Rec and Rho/Rab superfamilies, exhibits 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 family have been identified, each of which is found at a particular stage of a membrane transport pathway.

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