

Anti-RAB3GAP1 Antibody (7T374)

Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human (predicted:Mouse)
Clone:	7T374
Purification:	Protein G purified

Applications

Verified Activity:	1. Cell line: HeLa
	Fixative: 100% Ice-cold methanol
	Permeabilization: 0.1% TritonX-100
	Primary ab dilution: 1:50
	Primary incubation condition: 4°C overnight
	Secondary ab: Goat Anti-Mouse IgG
	Nuclear counter stain: DAPI (Blue)
	Comment: Color green is the positive signal for TMAB-11996
	2. Blocking buffer: 5% NFDN/TBST
	Primary ab dilution: 1: 2000
Primary ab incubation condition: 4°C overnight	
Secondary ab: Goat Anti-Mouse IgG H&L (HRP)	
Lysate:1: HeLa, 2: HepG2, 3: HEK-293, 4: EL4.IL-2	
Protein loading quantity: 20 µg	
Exposure time: 30s	
Predicted MW: 54 kDa	
Observed MW: 54 kDa	
Application:	WB,ICC/IF
Recommended	WB: 1:500-1000; ICC/IF: 1:100-500

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

Gene ID:	22930
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Research Background

Rab3 proteins are involved in regulated exocytosis of neurotransmitters and hormones. Rab 3 GAP p130, also known as Rab3 GTPase-activating protein catalytic subunit, is a 981 amino acid protein that belongs to the Rab3-GAP catalytic subunit family. Rab 3 GAP p130 converts active RAB3-GTP to the inactive form RAB3-GDP, and is required for normal eye and brain development. Defects in Rab 3 GAP p130 are the cause of Warburg micro syndrome 1 (WARBM1). WARBM1 is a severe autosomal recessive disorder characterized by developmental abnormalities of the eye and central nervous system and by microgenitalia. The Rab 3 GAP p130 protein may participate in neurodevelopmental processes such as proliferation, migration and differentiation before synapse formation, and

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non-synaptic vesicular release of neurotransmitters. Existing as two alternatively spliced isoforms, the Rab 3 GAP p130 gene is conserved in chimpanzee, dog, cow, mouse, chicken, zebrafish and fruit fly, and maps to human chromosome 2q21.3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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