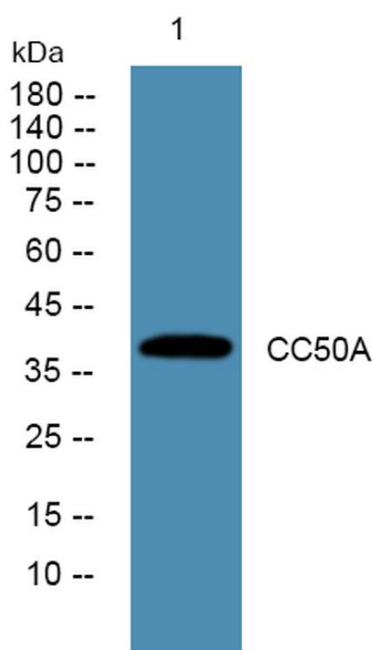


Anti-TMEM30A antibody (110-190)

Cat # NB-22-29050-50 size: 50µg

Cat # NB-22-29050-100ul size: 100µL

Cat # NB-22-29050-200ul size: 200µL



Western blot analysis of lysate from DU145 cells, primary antibody was diluted 1:1000, 4°C overnight

Description

Rabbit polyclonal antibody anti-Cell Cycle Control Protein 50a (110-190)

Product Information

Host:	Rabbit
Applications:	WB, ELISA
Reactivity:	Human, Mouse, Rat
Clonality:	Polyclonal
Conjugation:	Unconjugated
Isotype:	IgG
Formulation:	PBS, 50% Glycerol and 0.02% Sodium Azide.
Purification:	The antibody was affinity-purified from rabbit anti-serum by affinity-chromatography.
Concentration:	1 mg/mL
Dilution Range:	WB 1:500-2000 ELISA 1:5000-20000
Storage Instruction:	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

Target

Gene Symbol:	TMEM30A
Gene ID:	55754
Uniprot ID:	CC50A_HUMAN
Immunogen Region:	110-190
Specificity:	TMEM30A polyclonal antibody (Cell Cycle Control Protein 50a) binds to endogenous Cell Cycle Control Protein 50a at the amino acid region 110-190.
Immunogen:	Synthesized peptide derived from human protein at aa range 110-190.

Additional Information

Function: Accessory component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules. The beta subunit may assist in binding of the phospholipid substrate. Required for the proper folding, assembly and ER to Golgi exit of the ATP8A2:TMEM30A flippase complex. ATP8A2:TMEM30A may be involved in regulation of neurite outgrowth, and, reconstituted to liposomes, predominantly transports phosphatidylserine (PS) and to a lesser extent phosphatidylethanolamine (PE). The ATP8A1:TMEM30A flippase complex seems to play a role in regulation of cell migration probably involving flippase-mediated translocation of phosphatidylethanolamine (PE) at the plasma membrane. Required for the formation of the ATP8A2, ATP8B1 and ATP8B2 P-type ATPase intermediate phosphoenzymes. Involved in uptake of platelet-activating factor (PAF), synthetic drug alkylphospholipid edelfosine, and, probably in association with ATP8B1, of perfosine. Also mediates the export of alpha subunits ATP8A1, ATP8B1, ATP8B2, ATP8B4, ATP10A, ATP10B, ATP10D, ATP11A, ATP11B and ATP11C from the ER to other membrane localizations.

Protein Name: Cell Cycle Control Protein 50a
P4-ATPase Flippase Complex Beta Subunit Tmem30a
Transmembrane Protein 30a

*For reference only
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