

For Research Use Only

CLCN7 Polyclonal antibody

Catalog Number: 29230-1-AP



Basic Information

Catalog Number: 29230-1-AP	GenBank Accession Number: BC012737	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 1186	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P51798	
Isotype: IgG	Full Name: chloride channel 7	
Immunogen Catalog Number: AG29882	Calculated MW: 805 aa, 89 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : mouse brain tissue, mouse kidney tissue, mouse small intestine mouse small intestine, rat small intestine rat small intestine

Background Information

The intracellular CLC chloride channel family members CLC-3, CLC-4, and CLC-5 have been proposed as the primary endosomal chloride conductance providers. CLC-7 is expressed in late endosomes and lysosomes, but there is disagreement in the literature regarding its contribution to acidification. More recently, the cystic fibrosis (CF) transmembrane conductance regulator chloride channel (CFTR) was proposed as the specific counter-ion conductance necessary for lysosomal acidification in alveolar macrophages. (PMID: 20566682)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

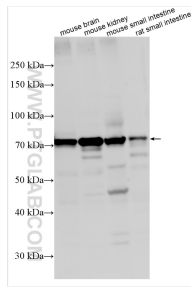
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29230-1-AP (CLN7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.