

For Research Use Only

SLC26A5 Polyclonal antibody, PBS Only

Catalog Number: 22013-1-PBS



Basic Information

Catalog Number: 22013-1-PBS	GenBank Accession Number: BC100832	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 375611	
Source: Rabbit	UNIPROT ID: P58743	
Isotype: IgG	Full Name: solute carrier family 26, member 5 (prestin)	
Immunogen Catalog Number: AG16631	Calculated MW: 744 aa, 81 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

SLC26A5 (Prestin) is a protein that is housed in abundance within the lateral membrane of outer hair cells (OHC) in the organ of Corti. The protein imparts robust electromechanical activity to the cell that is unlike any other form of cellular motility, notably associated with a voltage-dependent, bell-shaped nonlinear capacitance (NLC) that reports on conformational changes in the protein (PMID: 32061780). SLC26A5 is responsible for acute sensitivity and frequency selectivity in the vertebrate auditory system (PMID: 34294052).

Storage

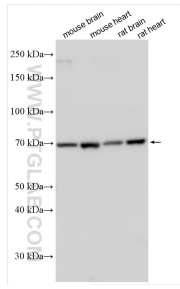
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22013-1-AP (SLC26A5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22013-1-PBS in a different storage buffer formulation.