

For Research Use Only

CHRM3 Polyclonal antibody

Catalog Number: 21978-1-AP



Basic Information

Catalog Number: 21978-1-AP	GenBank Accession Number: BC121026	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 1131	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P20309	
Isotype: IgG	Full Name: cholinergic receptor, muscarinic 3	
Immunogen Catalog Number: AG17791	Calculated MW: 590 aa, 66 kDa	
	Observed MW: 60-66 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SH-SY5Y cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

CHRM3 (M3 muscarinic acetylcholine receptor) is a major player in many kinds of cancer (PMID: 26175851). The expression of muscarinic receptors, mainly the CHRM3, is amplified in several types of tumors, including colon cancer, prostate cancer, endometrial carcinoma, and gastric cancer. Colon cancer overexpresses CHRM3, and post-M3R signaling promotes cell growth via the activation of the epidermal growth factor receptors/ERK and protein kinase C/p38 mitogen-activated protein kinase (MAPK) signaling pathways (PMID: 37744266).

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

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

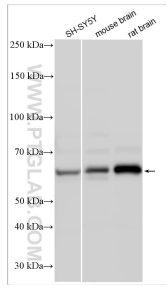
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21978-1-AP (CHRM3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.