

For Research Use Only

BACE1 Polyclonal antibody, PBS Only

Catalog Number: 12807-1-PBS

Featured Product



Basic Information

Catalog Number:	12807-1-PBS	GenBank Accession Number:	BC036084	Purification Method:
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	23621	Antigen affinity purification
Source:	Rabbit	UNIPROT ID:	P56817	
Isotype:	IgG	Full Name:	beta-site APP-cleaving enzyme 1	
Immunogen Catalog Number:	AG3559	Calculated MW:	501 aa, 56 kDa	
		Observed MW:	70-75 kDa, 42-56 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, IP, Indirect ELISA

Species Specificity:
human, mouse, rat, zebrafish

Background Information

beta-secretase, encoded by BACE1(beta-secretase amyloid beta A4 precursor protein-cleaving enzyme 1) gene, is a neuron-specific membrane-associated protease that participate in the two step proteolytic processing of the APP. Cleaves at the N-terminus of the A-beta peptide sequence, between residues 671 and 672 of APP, leads to the generation and extracellular release of beta-cleaved soluble APP, and a corresponding cell-associated C-terminal fragment which is later released by gamma-secretase. It has a high expression in the brain and pancreas. This protein has 6 isoforms produced by alternative splicing. BACE1 can be detected with different molecular weight: 42-56kD (prozymogen and isoforms), 65-75 (glycosylated forms) and 160kDa (dimer) (PMID:22741101; 21795680).

Storage

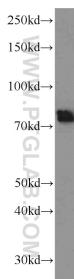
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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)

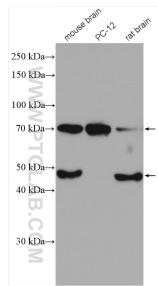
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

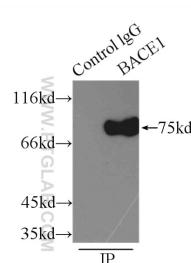
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12807-1-AP (BACE1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12807-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 12807-1-AP (BACE1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12807-1-PBS in a different storage buffer formulation.



IP result of anti-BACE1 (IP:12807-1-AP, 3ug; Detection:12807-1-AP 1:500) with mouse brain tissue lysate 5000ug. This data was developed using the same antibody clone with 12807-1-PBS in a different storage buffer formulation.

