

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:
Source:	Rabbit	GenID (NCBI):	23621	Antigen affinity purification
Isotype:	IgG	UNIPROT ID:	P56817	
Immunogen Catalog Number:	AG3559	Full Name:	beta-site APP-cleaving enzyme 1	
		Calculated MW:	501 aa, 56 kDa	
		Observed MW:	70-75 kDa, 42-56 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, IF-Fro, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

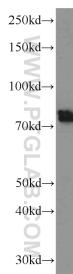
T: 4006900926

E: Proteintech-CN@ptglab.com

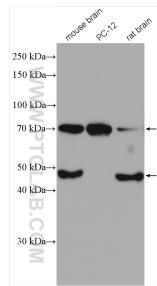
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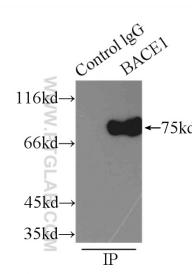
Selected Validation Data



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.

