

For Research Use Only

CoraLite® Plus 488-conjugated BACE1 Polyclonal antibody



Catalog Number: CL488-12807

Featured Product

Basic Information

Catalog Number: CL488-12807	GenBank Accession Number: BC036084	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23621	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: beta-site APP-cleaving enzyme 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 501 aa, 56 kDa	
Immunogen Catalog Number: AG3559	Observed MW: 70-75 kDa, 42-56 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : Neuro-2a cells,
Species Specificity: human, mouse, zebrafish, rat	

Background Information

beta-secretase, encoded by BACE1(beta-site amyloid beta A4 precursor protein-cleaving enzyme1) 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

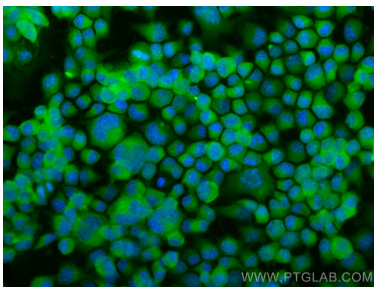
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using CoraLite® Plus 488 BACE1 antibody (CL488-12807) at dilution of 1:100.