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anti-BACE1 antibody (N-Term)

Images



Publications



Overview

Quantity:	400 μL
Target:	BACE1
Binding Specificity:	AA 38-70, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BACE1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This BACE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 38-70 amino acids from the N-terminal region of human BACE1.
Clone:	RB16874
Isotype:	lg Fraction
Predicted Reactivity:	B, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	
Target:	BACE1

Target Details

Alternative Name:	BACE1 (BACE1 Products)
Background:	Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's
	disease. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein
	(APP) by two proteases, one of which is BACE. This protein, a member of the peptidase A1
	protein family, is a type I integral membrane glycoprotein and aspartic protease that is found
	mainly in the Golgi.
Molecular Weight:	55764
Gene ID:	23621
NCBI Accession:	NP_001193978, NP_036236, NP_620427, NP_620428, NP_620429
UniProt:	P56817

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

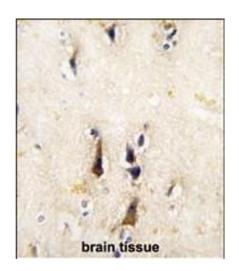
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:

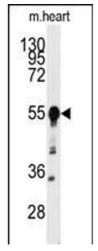
Surowiec, Battle, Ward, Schlecht, Khoury, Robbins, Wojtys, Caird, Kozloff: "A xenograft model to evaluate the bone forming effects of sclerostin antibody in human bone derived from pediatric osteogenesis imperfecta patients." in: **Bone**, Vol. 130, pp. 115118, (2020) (PubMed).

Images



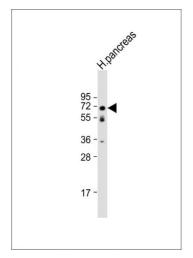
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with BACE1 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-BACE1 Antibody (Nterm) (ABIN392201 and ABIN2841902) in mouse heart tissue lysates ($35 \mu g$ /lane). BACE1(arrow) was detected using the purified Pab.



Western Blotting

Image 3. Anti-BACE1 Antibody (N-term) at 1:1000 dilution + human pancreas lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 56 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.