

# BACE Antibody (S498)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP7774a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P56817</a>
<b>Other Accession</b>	<a href="#">P56819</a> , <a href="#">P56818</a> , <a href="#">Q2HJ40</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Bovine, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB7137
<b>Antigen Region</b>	476-501

## Additional Information

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<b>Other Names</b>	Beta-secretase 1, Aspartyl protease 2, ASP2, Asp 2, Beta-site amyloid precursor protein cleaving enzyme 1, Beta-site APP cleaving enzyme 1, Memapsin-2, Membrane-associated aspartic protease 2, BACE1, BACE, KIAA1149
<b>Target/Specificity</b>	This BACE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 476-501 amino acids from human BACE.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	BACE Antibody (S498) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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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.

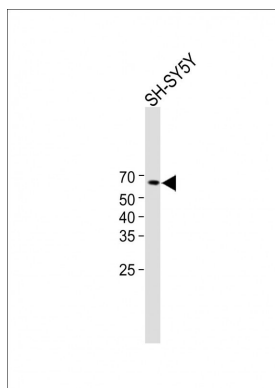
## References

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Huang, X.P., et al., J. Biol. Chem. 279(36):37886-37894 (2004).  
Chiocco, M.J., et al., J. Biol. Chem. 279(50):52535-52542 (2004).  
Yang, H.C., et al., J. Neurochem. 91(6):1249-1259 (2004).

## Images

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All lanes : Anti-BACE(S498) Antibody at 1:1000 dilution  
Lane 1: SH-SY5Y whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution.  
Observed band size : 56kDa Blocking/Dilution buffer: 5% NFDm/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.