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[Marker Primary Antibody]

Rabbit Anti-BACE1/AF594 Conjugated antibody

Catalog Number: SL0164R-AF594

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-BACE1/AF594
Immunogen:	KLH conjugated synthetic peptide derived from human BACE1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 ICC/IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Chicken,Dog,Pig,Rabbit,GuineaPig)
Background:	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 the protein encoded by this gene. The encoded 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. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]. **Function:** Responsible for the proteolytic processing of the amyloid precursor protein (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. **Subunit:** Responsible for the proteolytic processing of the amyloid precursor

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	protein (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. **Subcellular Location:** Membrane. **Tissue Specificity:** Expressed at high levels in the brain and pancreas. In the brain, expression is highest in the substantia nigra, locus coruleus and medulla oblongata. **Post-translational modifications:** Glycosylated. **Similarity:** Belongs to the peptidase A1 family. **Database links:** **Entrez Gene:** 23621 Human **Entrez Gene:** 23821 Mouse **Entrez Gene:** 29392 Rat Omim: 604252 Human **SwissProt:** P56817 Human **SwissProt:** P56818 Mouse **SwissProt:** P56819 Rat **Unigene:** 504003 Human **Unigene:** 24044 Mouse **Unigene:** 207201 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.