



## Anti-BACE2 (aa 306-395) polyclonal antibody (DPAB-DC1244)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes an integral membrane glycoprotein that functions as an aspartic protease. The encoded protein cleaves amyloid precursor protein into amyloid beta peptide, which is a critical step in the etiology of Alzheimers disease and Down syndrome. The protein precursor is further processed into an active mature peptide. Alternative splicing results in multiple transcript variants.
<b>Immunogen</b>	BACE2 (NP_036237, 306 a.a. ~ 395 a.a) partial recombinant protein with GST tag. The sequence is TTLLRLPQKVFDAVVEAVARASLIPEFSDGFWTGSQLACWTNSETPWSYFPKISIYLRE NSSRSFRITILPQLYIQPMMGAGLNYYCYR
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">BACE2 beta-site APP-cleaving enzyme 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	BACE2
<b>Synonyms</b>	BACE2; beta-site APP-cleaving enzyme 2; ASP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1; beta-secretase 2; memapsin-1; theta-secretase; aspartyl protease 1; 56 kDa aspartic-like protease; Down syndrome region aspartic protease; transmembrane aspartic proteinase Asp1; membrane-associated aspartic protease 1; beta-site amyloid beta A4 precursor protein-cleaving enzyme 2;
<b>Entrez Gene ID</b>	<a href="#">25825</a>
<b>Protein Refseq</b>	<a href="#">NP_036237</a>
<b>UniProt ID</b>	<a href="#">Q9Y5Z0</a>
<b>Chromosome Location</b>	21q22.3
<b>Pathway</b>	Alzheimers disease;
<b>Function</b>	aspartic-type endopeptidase activity;

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