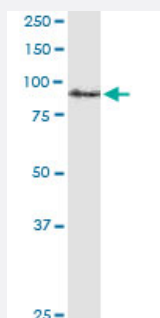


APP monoclonal antibody (M01), clone 2C12

Catalog # H00000351-M01

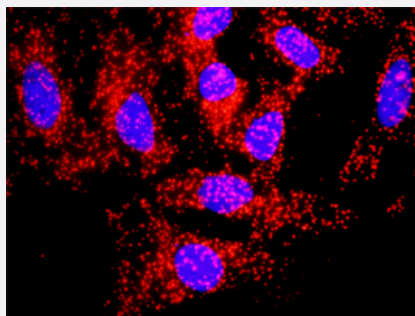
Size 100 ug

Applications



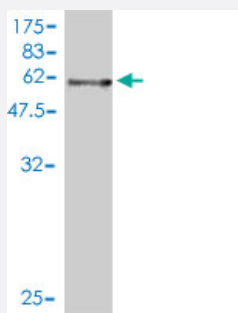
Western Blot (Tissue lysate)

APP monoclonal antibody (M01), clone 2C12. Western Blot analysis of APP expression in rat brain.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between TGFB1 and APP. HeLa cells were stained with anti-TGFB1 rabbit purified polyclonal 1:1200 and anti-APP mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (57.31 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant APP.

Immunogen	APP (AAH04369.1, 19 a.a. ~ 305 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKWSDPSGKTCIDTKEGILQYCQEVYPELQIT NVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETH LHWHTVAKETCSEKSTNLHDYGMLLPCGIDKFRGVEFVCCPLAEESDNVDSADAEEDDSVW WGGADTDYADGSEDKVVEVAEEEEVAEEEEEEADDDDEDDGDEVEEEAEPEYEEATERTTSI ATTTTTTTSVEEVVREKWKYKEVHSGQARWLML
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (57.31 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

APP monoclonal antibody (M01), clone 2C12. Western Blot analysis of APP expression in rat brain.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between TGFB1 and APP. HeLa cells were stained with anti-TGFB1 rabbit purified polyclonal 1:1200 and anti-APP mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — APP

Entrez GeneID	351
GeneBank Accession#	BC004369
Protein Accession#	AAH04369.1
Gene Name	APP
Gene Alias	AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2
Gene Description	amyloid beta (A4) precursor protein
Omim ID	104760 605714
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebral amyloid angiopathy (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	A4 amyloid protein amyloid beta A4 protein amyloid-beta protein beta-amyloid peptide cerebral vasculature amyloid peptide peptidase nexin-II protease nexin-II

Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Down Syndrome](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Headache](#)
- [Macular Degeneration](#)
- [Mental Status Schedule](#)
- [Neuropsychological Tests](#)
- [Psychiatric Status Rating Scales](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)