Recombinant DGRmAb®

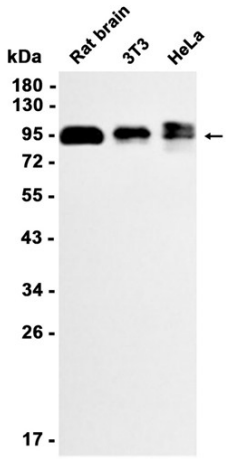
Amyloid Precursor Protein (DGR11972) Rabbit mAb (PBS Only)

db12005-PBS **Package : 10μg 100μg**

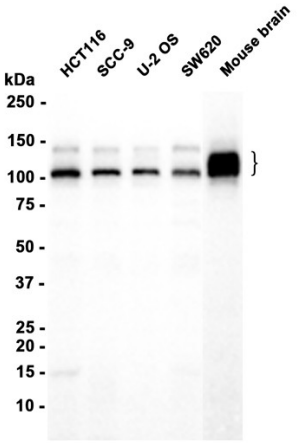
Product Name : Amyloid Precursor Protein (DGR11972) Rabbit mAb (PBS Only)
Cat.No.: db12005-PBS
Synonyms : AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma
Application : WB, IHC-P, ICC/IF, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	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. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]
Immunogen	A synthetic peptide of human Amyloid Precursor Protein
Gene ID	351
Swiss Prot	P05067
Synonyms	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, IP
Calculated MW	87 kDa
Observed MW	100 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11972
Isotype	IgG

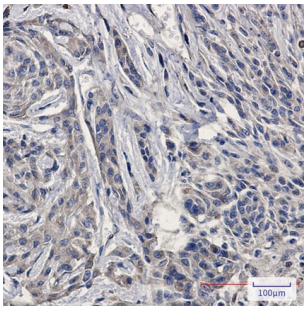
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



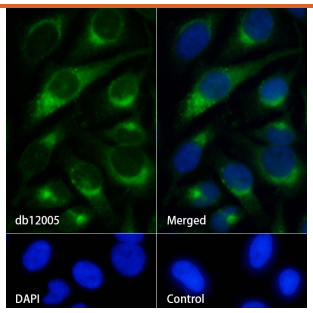
Western blot analysis of extracts from 3T3, HeLa cells and Rat brain tissue using db12005 at 1:1000.



Western blot analysis of extracts from HCT116, SCC-9, U-2 OS, SW620 cells and Mouse brain tissue using db12005 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human brain using db12005 antibody.



Immunofluorescence analysis of HeLa cells labelling Amyloid Precursor Protein with db12005.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12005 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.