Recombinant DGRmAb®

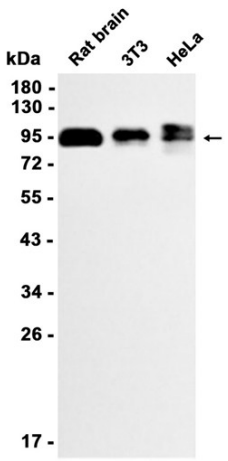
Amyloid Precursor Protein (DGR11972) Rabbit mAb

db12005 **Package : 10μL 20μL 50μL 100μL**

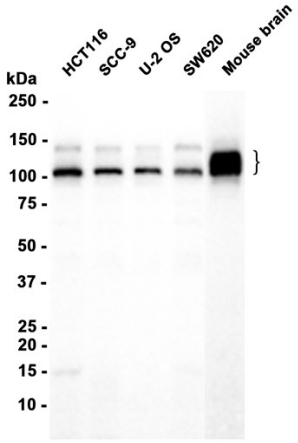
Product Name : Amyloid Precursor Protein (DGR11972) Rabbit mAb
Cat.No.: db12005
Synonyms : AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma
Application : WB, IHC-P, ICC/IF, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Recommended dilution	WB: 1:2000-1:20000 IHC-P: 1:200-1:500 ICC/IF: 1:100-1:500 IP: 1:20-1:50
Calculated MW	87 kDa
Observed MW	100 kDa
Host species	Rabbit

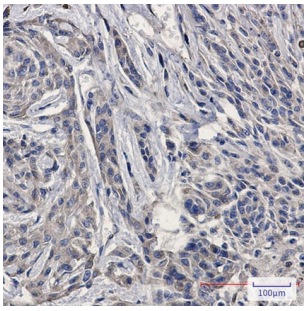
Clonality	Monoclonal
Clonality No.	DGR11972
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



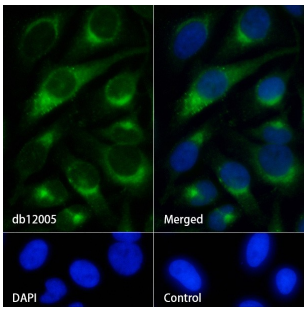
Western blot analysis of extracts from 3T3, HeLa cells and Rat brain tissue using db12005 at 1:1000.



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.