Recombinant DGRmAb®

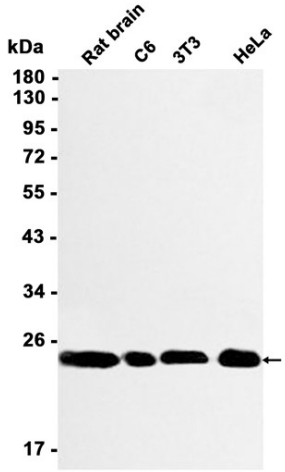
Presenilin 2 (DGR11491) Rabbit mAb

db11569 **Package : 10μL 20μL 50μL 100μL**

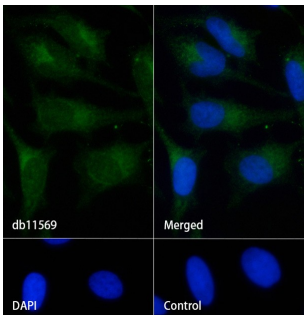
Product Name : Presenilin 2 (DGR11491) Rabbit mAb
Cat.No.: db11569
Synonyms : AD4; PS2; AD3L; STM2; CMD1V
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1 or PSEN2) or the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor such that, they either directly regulate gamma-secretase activity, or themselves act are protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Presenilin 2
Gene ID	5664
Swiss Prot	P49810
Synonyms	AD4; PS2; AD3L; STM2; CMD1V
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:2000-1:20000 IHC-P: 1:200-1:500 ICC/IF: 1:50-1:200 FC: 1:20-1:50 IP: 1:20
Calculated MW	50 kDa
Observed MW	23 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR11491
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 C6, 3T3, HeLa cells and Rat brain tissue using db11569 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Presenilin 2 with db11569.

The cells were fixed with cold 100% methanol (10min, 4℃) 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 db11569 (1:50) 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.