Recombinant DGRmAb®

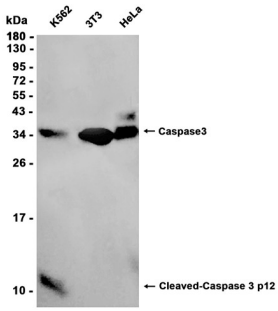
Caspase-3 p12 (DGR16337) Rabbit mAb

db11371 **Package : 10μL 20μL 50μL 100μL**

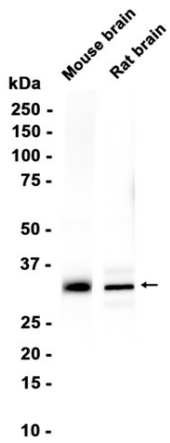
Product Name : Caspase-3 p12 (DGR16337) Rabbit mAb
Cat.No.: db11371
Synonyms : CPP32; SCA-1; CPP32B
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene is a cysteine-aspartic acid protease that plays a central role in the execution-phase of cell apoptosis. The encoded protein cleaves and inactivates poly(ADP-ribose) polymerase while it cleaves and activates sterol regulatory element binding proteins as well as caspases 6, 7, and 9. This protein itself is processed by caspases 8, 9, and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. [provided by RefSeq, Aug 2017]
Immunogen	Recombinant protein of human Caspase-3 p12
Gene ID	836
Swiss Prot	P42574
Synonyms	CPP32; SCA-1; CPP32B
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC
Recommended dilution	WB: 1:1000 IHC-P: 1:200-1:2000 ICC/IF: 1:100 FC: 1:100-1:200
Calculated MW	32 kDa
Observed MW	32kDa (Full Length), 12 kDa (Cleaved Caspase 3 P12)
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16337

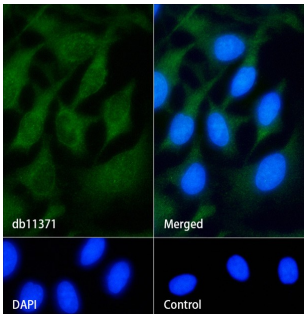
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562, 3T3, HeLa cells using db11371 at 1:1000.



Western blot analysis of extracts from Mouse brain, Rat brain tissues using db11371 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Caspase-3 p12 with db11371.

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 db11371 (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.