Recombinant DGRmAb®

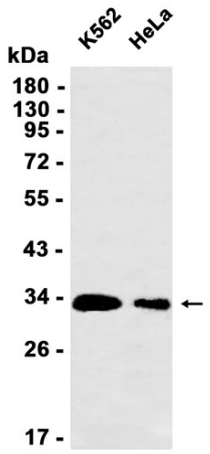
Caspase-3 (DGR13170) Rabbit mAb

db12058 **Package : 10μL 20μL 50μL 100μL**

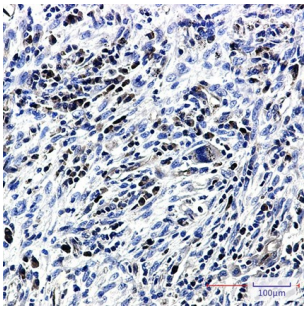
Product Name : Caspase-3 (DGR13170) Rabbit mAb
Cat.No.: db12058
Synonyms : CPP32; SCA-1; CPP32B
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

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	A synthetic peptide of human Caspase-3
Gene ID	836
Swiss Prot	P42574
Synonyms	CPP32; SCA-1; CPP32B
Reactivity	Human
Application	WB, IHC, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC: 1:20-1:100 ICC/IF: 1:200-1:500 FC: 1:200-1:500 IP: 1:20
Calculated MW	32 kDa
Observed MW	32kDa (Full Length), 17 kDa (Cleaved Caspase 3 P17)
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13170

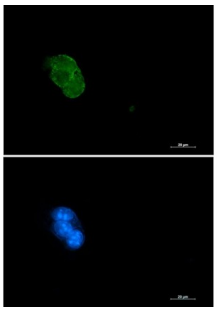
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



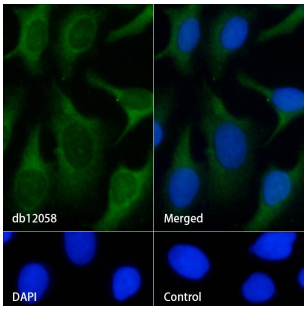
Western blot analysis of extracts from K562, HeLa cells using db12058 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using db12058 antibody.



Immunofluorescent analysis of 293 cells using db12058 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling Caspase-3 with db12058.

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 db12058 (1:200) 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.