

**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**

32,17 kDa

**Host species**

Rabbit

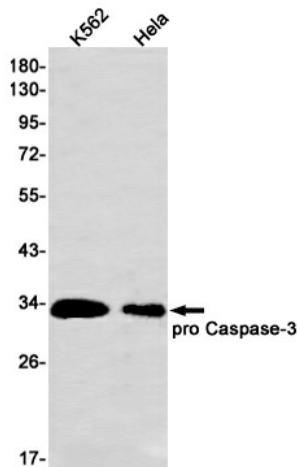
**Clonality**

Monoclonal

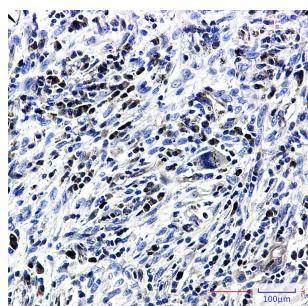
**Clonality No.**

DGR13170

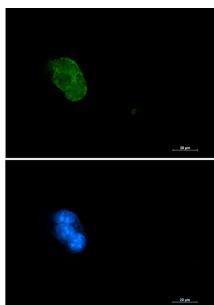
|                          |   |
|--------------------------|---|
| <b>Isotype</b>           | IgG   |
| <b>Purity</b>            | Affinity Purification   |
| <b>Conjugation</b>       | Un-conjugated   |
| <b>Storage Stability</b> | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl,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



Western blot detection of Caspase-3 in K562, HeLa cell lysates using Caspase-3 antibody(1:1000 diluted).



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



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