

Recombinant

DGRmAb®

Caspase-3 (DGR13170) Rabbit mAb (PBS Only)

db12058-PBS

Package : 10µg 100µg

Product Name : Caspase-3 (DGR13170) Rabbit mAb (PBS Only)**Cat.No.:** db12058-PBS**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

Calculated MW

32 kDa

Observed MW

32,17 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR13170

Isotype

IgG

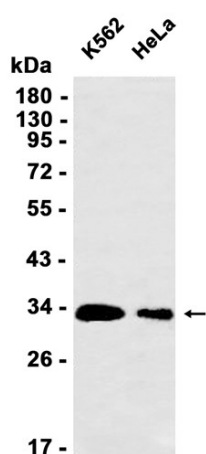
Purity

Affinity Purification

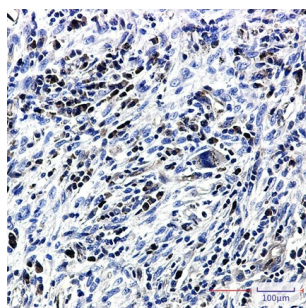
Conjugation

Un-conjugated

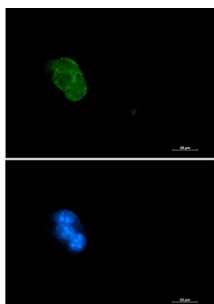
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



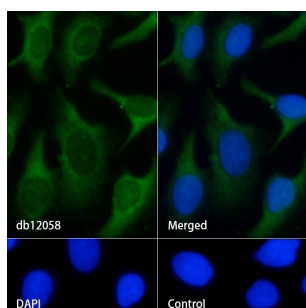
Western blot analysis of extracts from K562, HeLa cells using [db12058](#) at 1:1000.



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°C) 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 temperature 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.