

Recombinant

DGRmAb®

**Caspase-3 p12 (DGR16337) Rabbit mAb (PBS Only)**

db11371-PBS

Package : 10µg 100µg

**Product Name** : Caspase-3 p12 (DGR16337) Rabbit mAb (PBS Only)**Cat.No.:** db11371-PBS**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

**Calculated MW**

32 kDa

**Observed MW**

32,12 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR16337

**Isotype**

IgG

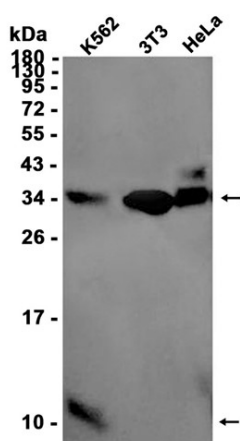
**Purity**

Affinity Purification

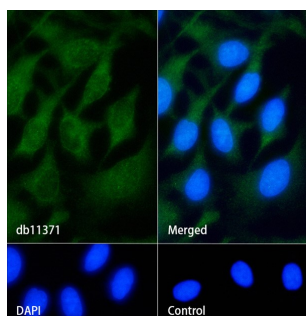
**Conjugation**

Un-conjugated

<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	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 K562,3T3,HeLa cells 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°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 [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.