

Recombinant

DGRmAb®

**Caspase-9 (DGR13230) Rabbit mAb (PBS Only)**

db14222-PBS

Package : 100µg

**Product Name** : Caspase-9 (DGR13230) Rabbit mAb (PBS Only)**Cat.No.:** db14222-PBS**Synonyms** : MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6**Application** : WB, IHC-P, ICC/IF, IP**Reactivity** : Human,Mouse**Host species** : Rabbit**Background**

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

**Immunogen**

Recombinant protein of human Caspase-9

**Gene ID**

842

**Swiss Prot**

P55211

**Synonyms**

MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6

**Reactivity**

Human,Mouse

**Application**

WB, IHC-P, ICC/IF, IP

**Calculated MW**

46 kDa

**Observed MW**

46 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

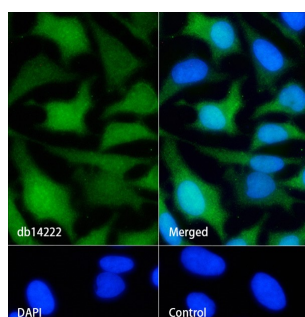
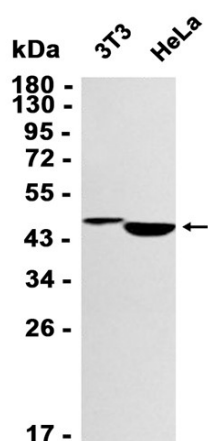
DGR13230

**Isotype**

IgG

<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	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 3T3, HeLa cells using db14222 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Caspase-9 with db14222.

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 db14222 (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.