

**Recombinant****DGRmAb®****Caspase-1 (DGR16419) Rabbit mAb****db12385****Package : 10µL 20µL 50µL 100µL****Product Name :** Caspase-1 (DGR16419) Rabbit mAb**Cat.No.:** db12385**Synonyms :** ICE; P45; IL1BC**Application :** WB, IP**Reactivity :** Human**Host species :** Rabbit**Background**

This gene encodes a protein which is 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 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Mar 2012]

**Immunogen**

Recombinant protein of human Caspase-1

**Gene ID**

834

**Swiss Prot**

P29466

**Synonyms**

ICE; P45; IL1BC

**Reactivity**

Human

**Application**

WB, IP

**Recommended dilution**

WB: 1:1000

IP: 1:20-1:50

**Calculated MW**

45 kDa

**Observed MW**

45,20 kDa

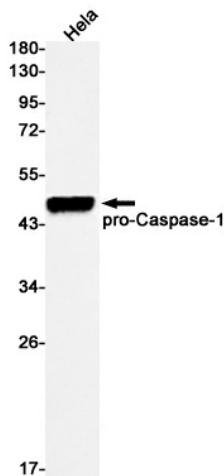
**Host species**

Rabbit

**Clonality**

Monoclonal

<b>Clonality No.</b>	DGR16419
<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-1 in HeLa cell lysates using Caspase-1 antibody(1:500 diluted).