

## ARG54155 anti-Caspase 9 antibody

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes Caspase 9
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	1D1
Isotype	IgG1
Target Name	Caspase 9
Species	Human
Immunogen	Purified recombinant human Caspase-9 protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	APAF-3; ICE-LAP6; PPP1R56; CASP-9; Apoptotic protease-activating factor 3; Caspase-9; ICE-like apoptotic protease 6; Apoptotic protease Mch-6; APAF3; MCH6; EC 3.4.22.62

### Application Instructions

Application table	Application	Dilution
	WB	1:1000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

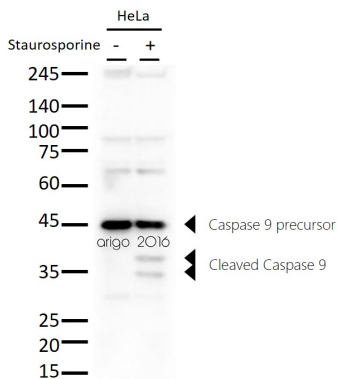
### Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.02% Sodium azide, and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	8 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

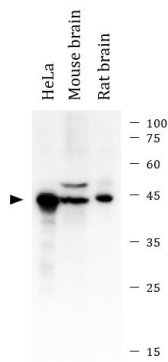
Gene Symbol	CASP9
Gene Full Name	caspase 9, apoptosis-related cysteine peptidase
Background	Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP).
Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP).
Highlight	Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9. [UniProt] Related news: <a href="#">SM5-1, a promising immunotherapy for Hepatocellular Carcinoma (HCC)</a> <a href="#">Choose the Best ZIKA Virus Antibodies</a> <a href="#">Fight microcephaly with arigo</a>
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Mitochondria/Caspase Dependant Apoptosis Marker antibody
Calculated Mw PTM	46 kDa Cleavages at Asp-315 by granzyme B and at Asp-330 by caspase-3 generate the two active subunits. Caspase-8 and -10 can also be involved in these processing events. Phosphorylated at Thr-125 by MAPK1/ERK2. Phosphorylation at Thr-125 is sufficient to block caspase-9 processing and subsequent caspase-3 activation. Phosphorylation on Tyr-153 by ABL1/c-Abl; occurs in the response of cells to DNA damage.

## Images



ARG54155 anti-Caspase 9 antibody WB image

Western blot: 20 µg of HeLa untreated or treated with ARG54155 anti-Caspase 9 antibody at 1:1000 dilution.



ARG54155 anti-Caspase 9 antibody WB image

Western blot: 10 µg of HeLa, 20 µg of Mouse brain and 20 µg of Rat brain lysates stained with ARG54155 anti-Caspase 9 antibody at 1:1000 dilution.