

Cleaved Caspase-9 p35 (Asp315) Rabbit pAb

CatalogNo: YC0014 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,IHC,IF,ELISA

MW

- 35kD,46kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**IHC 1:50-300****IF 1:50-300**

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Caspase 9. AA range:266-315**Specificity** Cleaved-Caspase-9 p35 (D315) Polyclonal Antibody detects endogenous levels of fragment of activated Caspase-9 p35 protein resulting from cleavage adjacent to D315.

Target Information

Gene name CASP9

Protein Name Caspase9

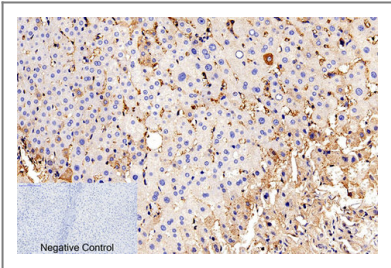
Organism	Gene ID	UniProt ID
Human	842 ;	P55211 ;

Cellular Localization nucleus,mitochondrion,cytosol,apoptosome,

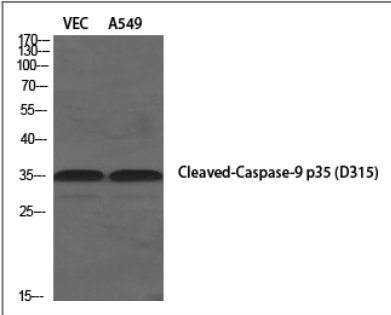
Tissue specificity Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

Function Catalytic activity:Strict requirement for an Asp residue at position P1 and with a marked preference for His at position P2. It has a preferred cleavage sequence of Leu-Gly-His-Asp-|-Xaa.,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. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP).,Function:Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.,online information:Caspase-9 entry,PTM: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.,similarity:Belongs to the peptidase C14A family.,similarity:Contains 1 CARD domain.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 35 kDa (p35) and a 10 kDa (p10) subunit. Caspase-9 and APAF1 bind to each other via their respective NH2-terminal CED-3 homologous domains in the presence of cytochrome C and ATP. Interacts with the inhibitors BIRC2, BIRC4, BIRC5 and BIRC7.,tissue specificity:Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues.,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,Cleaved-Caspase-9 p35 (D315) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Western Blot analysis of various cells using Cleaved-Caspase-9 p35 (D315) Polyclonal Antibody diluted at 1:1000

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
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**Cleaved Caspase-9
p35 (Asp315) Rabbit
pAb**

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