

# Caspase-10/CASP-10 Rabbit mAb

Catalog # AP75192

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, FC, IP      |
| Primary Accession | <a href="#">Q92851</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Monoclonal Antibody    |
| Isotype           | IgG                    |
| Conjugate         | Unconjugated           |
| Purification      | Affinity Purified      |
| Calculated MW     | 58951                  |

## Additional Information

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|-------------|-------------------------------------------------------------------------------------------------|
| Gene ID     | 843                                                                                             |
| Other Names | CASP10                                                                                          |
| Dilution    | WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:100-1:500 IP~~1:10-1:100                                     |
| Format      | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.        |

## Protein Information

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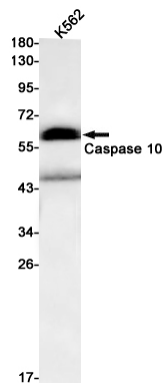
|                 |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name            | CASP10                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms        | MCH4                                                                                                                                                                                                                                                                                                                                                                                                |
| Function        | Involved in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates effector caspases CASP3, CASP4, CASP6, CASP7, CASP8 and CASP9. Hydrolyzes the small- molecule substrates, Tyr- Val-Ala-Asp- -AMC and Asp-Glu-Val-Asp- -AMC. |
| Tissue Location | Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon                                                                                                                                                                                                                                                                                                  |

## Background

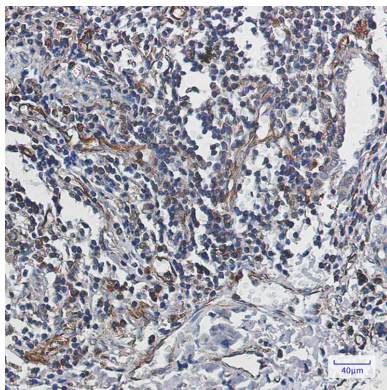
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Caspases are a family of cytosolic aspartate specific cysteine proteases. Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaved Caspase 10 leads to the processing of Caspase 3 and Caspase 7, initiating a caspase cascade and subsequent apoptosis.

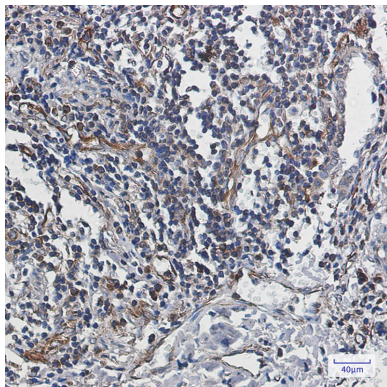
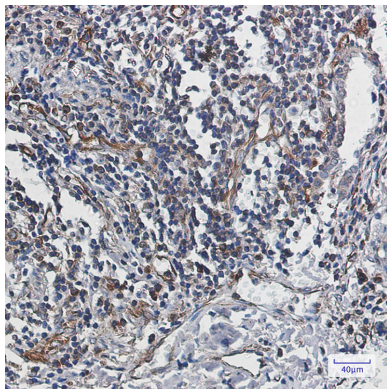
## Images



Western blot analysis of Caspase 10 in K562 lysates using Caspase 10 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Caspase10 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.