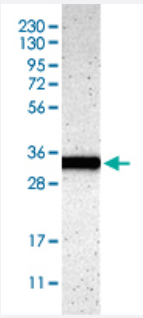
# CASP6 polyclonal antibody

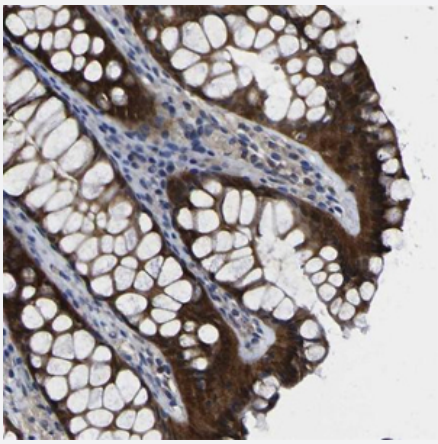
Catalog # PAB30528 Size 100 uL

## Applications



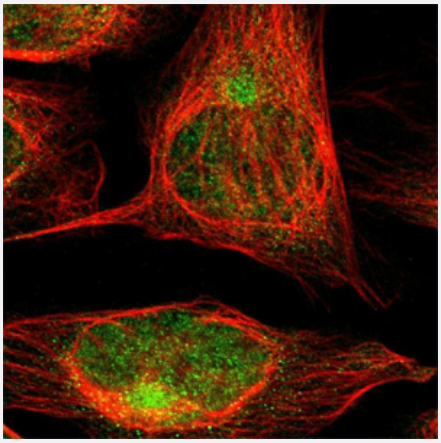

### Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of human cell line RT-4 with CASP6 polyclonal antibody (Cat # PAB30528).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon with CASP6 polyclonal antibody (Cat # PAB30528) shows strong cytoplasmic positivity in glandular cells.



### Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with CASP6 polyclonal antibody (Cat # PAB30528) shows positivity in cytoplasm and nucleus but excluded from the nucleoli. Antibody staining is shown in green.

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## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against recombinant human CASP6. |
| **Immunogen** | Recombinant protein corresponding to human CASP6. |
| **Sequence** | DVPVIPLDVVDNQTEKLDTNITEVDAASVYTLPAGADFLMCYSVAEGYYSHRETVNGSWYIQDLCE MLGKYGSSLEFTELLTLVNRKVSQRRVDFCKDPSAIGKKQV |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500)<br>Western Blot (1:100-1:250)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Western Blot (Cell lysate)

  Western Blot (Cell lysate) analysis of human cell line RT-4 with CASP6 polyclonal antibody (Cat # PAB30528).

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  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon with CASP6 polyclonal antibody (Cat # PAB30528) shows strong cytoplasmic positivity in glandular cells.

- Immunofluorescence

  Immunofluorescent staining of human cell line U-2 OS with CASP6 polyclonal antibody (Cat # PAB30528) shows positivity in cytoplasm and nucleus but excluded from the nucleoli. Antibody staining is shown in green.

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## Gene Info — CASP6

| | |
|---|---|
| **Entrez GeneID** | 839 |
| **Protein Accession#** | P55212 |
| **Gene Name** | CASP6 |
| **Gene Alias** | MCH2 |
| **Gene Description** | caspase 6, apoptosis-related cysteine peptidase |
| **Omim ID** | 601532 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | 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 two subunits, large and small, that dimerize to form the active enzyme. This protein is processed by caspases 7, 8 and 10, and is thought to function as a downstream enzyme in the caspase activation cascade. Alternative splicing of this gene results in two transcript variants that encode different isoforms. [provided by RefSeq |
| **Other Designations** | apoptotic protease MCH-2\|caspase 6\|caspase 6, apoptosis-related cysteine protease |

## Pathway

- Apoptosis

## Disease

- Adenocarcinoma
- Alcoholism
- Carcinoma
- Colorectal Neoplasms
- Disease Progression
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hematologic Diseases

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- Hodgkin Disease
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Neoplasm Metastasis
- Neoplasms
- Occupational Diseases
- Prostatic Neoplasms
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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