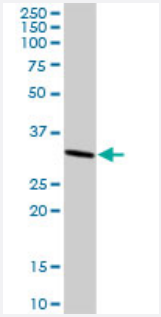
MaxPab®

CASP3 purified MaxPab rabbit polyclonal antibody (D01P)

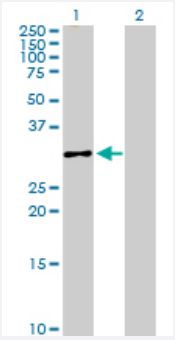
Catalog # H00000836-D01P Size 100 ug

Applications



Western Blot (Tissue lysate)

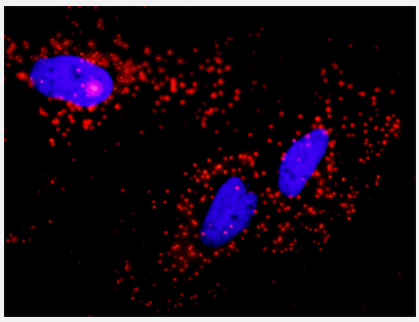
CASP3 MaxPab rabbit polyclonal antibody. Western Blot analysis of CASP3 expression in mouse liver.



Western Blot (Transfected lysate)

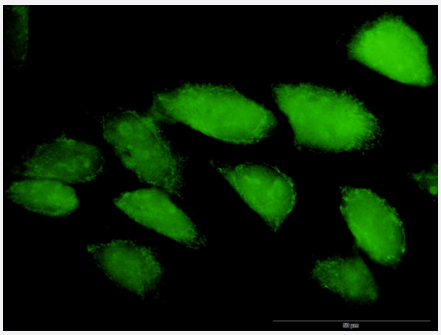
Western Blot analysis of CASP3 expression in transfected 293T cell line (H00000836-T01) by CASP3 MaxPab polyclonal antibody.

Lane 1: CASP3 transfected lysate(31.60 KDa).
Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CASP3 and AKT3. HeLa cells were stained with anti-CASP3 rabbit purified polyclonal 1:1200 and anti-AKT3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CASP3 on HeLa cell. [antibody concentration 30 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CASP3 protein.
Immunogen	CASP3 (AAH16926.1, 1 a.a. ~ 277 a.a) full-length human protein.
Sequence	MENTENSVDSKSIKNLEPKIIHGSESMDSGISLDNSYKMDYPEMGLCIIINNKNFHKSTGMTSRSGT DVDAANLRETFRNLKYEVRNKNDLTREEIVELMRDVSKEDHSKRSSFVCVLLSHGEEGIIFGTNGP VDLKKITNFFRGDRCRSLTGKPKLFIIQACRGTELDCGIETDSGVDDDMACHKIPVEADFLYAYSTA PGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFSFDATFHAKKQIPCIV SMLTKELYFYH
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

  CASP3 MaxPab rabbit polyclonal antibody. Western Blot analysis of CASP3 expression in mouse liver.

  Protocol Download

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- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to CASP3 on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — CASP3

Entrez GeneID	836
GeneBank Accession#	NM_004346
Protein Accession#	AAH16926.1
Gene Name	CASP3
Gene Alias	CPP32, CPP32B, SCA-1
Gene Description	caspase 3, apoptosis-related cysteine peptidase
Omim ID	600636
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 cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein. [provided by RefSeq
Other Designations	OTTHUMP00000165054|PARP cleavage protease|SREBP cleavage activity 1|Yama|apopain|caspase 3|caspase 3, apoptosis-related cysteine protease|cysteine protease CPP32|procaspase3

Publication Reference

- Phospho-ΔNp63α is a key regulator of the cisplatin-induced microRNAome in cancer cells.

  Huang Y, Chuang A, Hao H, Talbot C, Sen T, Trink B, Sidransky D, Ratovitski E.

  Cell Death and Differentiation 2011 Jul; 18(7):1220.

  Application: WB-Tr, Human, JHU-029 cells

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Colorectal cancer
- Epithelial cell signaling in Helicobacter pylori infection
- MAPK signaling pathway
- Natural killer cell mediated cytotoxicity
- p53 signaling pathway
- Pathways in cancer

Disease

- Adenocarcinoma
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Carcinoma
- Cardiovascular Diseases
- Clubfoot
- Colorectal Neoplasms
- Diabetes Mellitus

- Diabetic Nephropathies
- Disease Progression
- Edema
- Endometrial Neoplasms
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hematologic Diseases
- Hodgkin Disease
- Kidney Failure
- Leukemia
- Lung carcinoma
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Mucocutaneous Lymph Node Syndrome
- Multiple Myeloma
- Multiple Sclerosis
- NARP
- Neoplasm Metastasis
- Neoplasms
- Neovascularization
- Occupational Diseases
- Prostatic Neoplasms

- Pulmonary Disease
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome