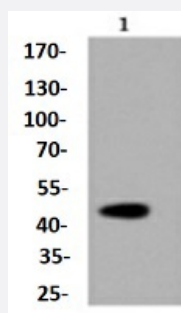


RecomAb™

CASP2 recombinant monoclonal antibody

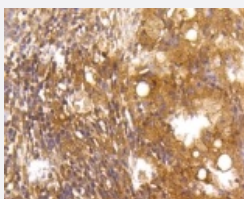
Catalog # RAB02699 Size 100 uL

Applications



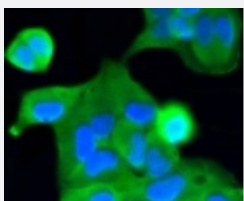
Western Blot (Cell lysate)

Western blot analysis of Lane1:293 whole cell lysate with CASP2 recombinant monoclonal antibody (Cat # RAB02699) at 1:1000 dilution.



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

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using CASP2 recombinant monoclonal antibody (Cat # RAB02699).Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of HeLa cells using CASP2 recombinant monoclonal antibody (Cat # RAB02699)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against CASP2.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant CASP2.
Theoretical MW (kDa)	48
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Caspase-2 and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunofluorescence
- Flow Cytometry

Gene Info — CASP2

Entrez GeneID [835](#)

Protein Accession# [P42575](#)

Gene Name CASP2

Gene Alias CASP-2, ICH-1L, ICH-1L/1S, ICH1, NEDD2

Gene Description caspase 2, apoptosis-related cysteine peptidase

Omim ID [600639](#)

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. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. [provided by RefSeq]

Other Designations ICH-1 protease|NEDD2 apoptosis regulatory|caspase 2|neural precursor cell expressed, developmentally down-regulated 2

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)

- [Hodgkin Disease](#)
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- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)