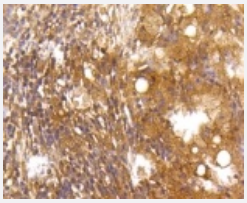
RecomAb™

CASP2 recombinant monoclonal antibody

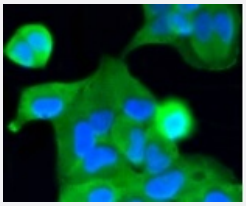
Catalog # RAB02699 Size 100 uL

Applications



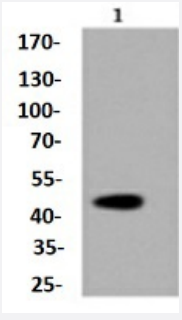
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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.



Western Blot (Cell lysate)

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

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against CASP2.

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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
Preparation Method	Mammalian cell (HEK293) expression system
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

- 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.

- Immunofluorescence

- 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.

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- Flow Cytometry

- Western Blot (Cell lysate)

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

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 apopto sis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved a spartic 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 spl icing 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, develop mentally down-regulated 2

Disease

- Adenocarcinoma
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Head and Neck Neoplasms

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- Hematologic Diseases
- Hodgkin Disease
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Neoplasm Recurrence
- Neoplasms
- Occupational Diseases
- Prostatic Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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