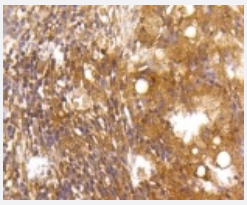
RecomAb™ Sm Size

CASP2 recombinant monoclonal antibody

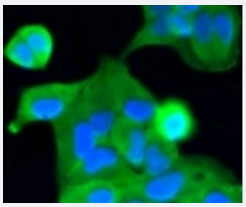
Catalog # RAB09353 Size 50 uL

Applications



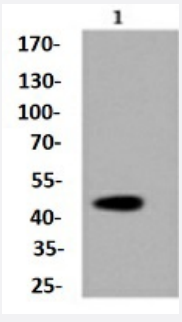
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using CASP2 recombinant monoclonal antibody (Cat # RAB09353).Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of HeLa cells using CASP2 recombinant monoclonal antibody (Cat # RAB09353)(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 # RAB09353) 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 # RAB09353).Counter stained with hematoxylin.

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells using CASP2 recombinant monoclonal antibody (Cat # RAB09353)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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- Western Blot (Cell lysate)

  Western blot analysis of Lane1:293 whole cell lysate with CASP2 recombinant monoclonal antibody (Cat # RAB09353) 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 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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- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Neoplasm Recurrence
- Neoplasms
- Occupational Diseases
- Prostatic Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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