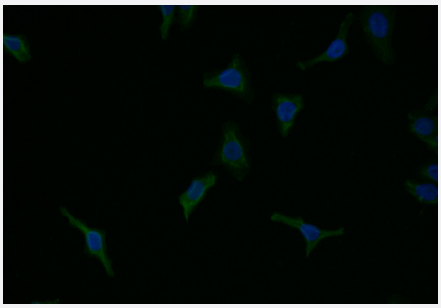
RecomAb™

CASP9 recombinant monoclonal antibody, clone 8G5

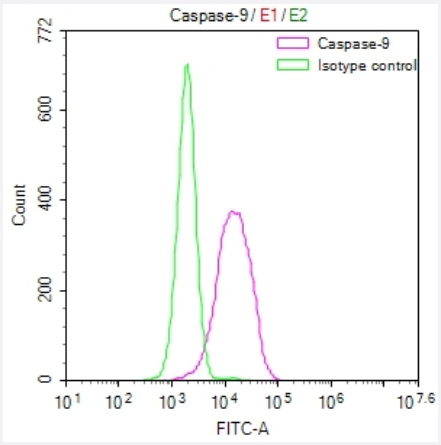
Catalog # RAB07772 Size 100 uL

Applications



Immunofluorescence

Immunofluorescence staining of HepG2 Cells with CASP9 recombinant monoclonal antibody, clone 8G5 at 1:7, counter-stained with DAPI.



Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with CASP9 recombinant monoclonal antibody, clone 8G5 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CASP9.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CASP9.
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunofluorescence(1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. 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

- Immunofluorescence

  Immunofluorescence staining of HepG2 Cells with CASP9 recombinant monoclonal antibody, clone 8G5 at 1:7, counter-stained with DAPI.

- Flow Cytometry

  Overlay Peak curve showing HepG2 cells stained with CASP9 recombinant monoclonal antibody, clone 8G5 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CASP9

Entrez GeneID	842
Protein Accession#	P55211
Gene Name	CASP9
Gene Alias	APAF-3, APAF3, CASPASE-9c, ICE-LAP6, MCH6
Gene Description	caspase 9, apoptosis-related cysteine peptidase
Omim ID	602234
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes 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 caspase APAF1; this step is thought to be one of the earliest in the caspase activation cascade. Alternative splicing results in two transcript variants which encode different isoforms. [provided by RefSeq
Other Designations	ICE-like apoptotic protease 6|OTTHUMP00000002322|OTTHUMP00000002323|OTTHUMP00000044594|apoptotic protease MCH-6|apoptotic protease activating factor 3|caspase 9|caspase 9, apoptosis-related cysteine protease

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Colorectal cancer
- Endometrial cancer
- Non-small cell lung cancer
- p53 signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer
- VEGF signaling pathway

Disease

- Adenocarcinoma
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Carcinoma
- Cardiovascular Diseases

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- Clubfoot
- Colorectal Neoplasms
- Crohn Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis
- Hodgkin Disease
- Intestinal Fistula
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Myeloma
- Multiple Sclerosis
- NARP
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms

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- Neovascularization
- Occupational Diseases
- Pancreatic Neoplasms
- Prostatic Neoplasms
- Pulmonary Disease
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Substance-Related Disorders
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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