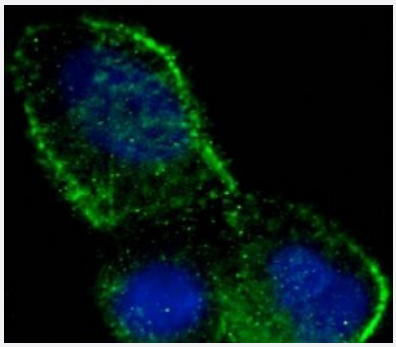
RecomAb™

FAS recombinant monoclonal antibody, clone R-125224

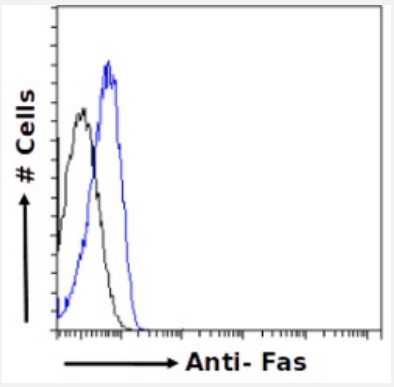
Catalog # RAB03438 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of MCF-7 cells with FAS recombinant monoclonal antibody, clone R-125224 (Cat # RAB03438)
Immunofluorescence analysis of paraformaldehyde fixed MCF-7 cells, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03438 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-unknown specificity followed by staining with Alexa Fluor® 488 secondary antibody.



Flow Cytometry

Flow cytometric analysis of Jurkat cells with FAS recombinant monoclonal antibody, clone R-125224 (Cat # RAB03438).
Jurkat cells fixed using 2% PFA and permeabilized with 0.5% Triton were stained with unimmunized r antibody (isotype control-black line) or the r chimeric version of RAB03438 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Western Blot

Western blot analysis of Lane 1: human testis and Lane 2: human ovary lysates with FAS recombinant monoclonal antibody, clone R-125224 (Cat # RAB03438).
Western Blot analysis the lysates (35 ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric r version of RAB03438 at 2 ug/mL before detection using an anti-rondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FAS.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against partially purified recombinant human Fas-AIC2A chimera protein.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of MCF-7 cells with FAS recombinant monoclonal antibody, clone R-125224 (Cat # RAB03438) Immunofluorescence analysis of paraformaldehyde fixed MCF-7 cells, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03438 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-unknown specificity followed by staining with Alexa Fluor® 488 secondary antibody.

- Flow Cytometry

  Flow cytometric analysis of Jurkat cells with FAS recombinant monoclonal antibody, clone R-125224 (Cat # RAB03438). Jurkat cells fixed using 2% PFA and permeabilized with 0.5% Triton were stained with unimmunized r antibody (isotype control-black line) or the r chimeric version of RAB03438 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

- Enzyme-linked Immunoabsorbent Assay

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Western Blot

Western blot analysis of Lane 1: human testis and Lane 2: human ovary lysates with FAS recombinant monoclonal antibody, clone R-125224 (Cat # RAB03438).
Western Blot analysis the lysates (35 ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric r version of RAB03438 at 2 ug/mL before detection using an anti-rondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

Gene Info — FAS

Entrez GeneID	355
Gene Name	FAS
Gene Alias	ALPS1A, APO-1, APT1, CD95, FAS1, FASTM, TNFRSF6
Gene Description	Fas (TNF receptor superfamily, member 6)
Omim ID	134637 601859
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor co ntains a death domain. It has been shown to play a central role in the physiological regulation of pr ogrammed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formatio n of a death-inducing signaling complex that includes Fas-associated death domain protein (FAD D), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex tr iggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also sho wn to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transd ucing the proliferating signals in normal diploid fibroblast and T cells. At least eight alternatively sp liced transcript variants have been described, some of which are candidates for nonsense-mediat ed decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the a poptosis mediated by the full length isoform. [provided by RefSeq
Other Designations	APO-1 cell surface antigen|CD95 antigen|Fas AMA|Fas antigen|OTTHUMP00000020045|OTTH UMP00000020046|OTTHUMP00000020051|OTTHUMP00000059646|apoptosis antigen 1|tumo r necrosis factor receptor superfamily member 6|tumor necrosis factor receptor superfamily, mem

Pathway

- Allograft rejection
- Apoptosis
- Autoimmune thyroid disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cytokine-cytokine receptor interaction
- Graft-versus-host disease
- MAPK signaling pathway
- Natural killer cell mediated cytotoxicity
- p53 signaling pathway
- Pathways in cancer
- Type I diabetes mellitus

Disease

- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma
- Alzheimer disease
- Arthritis
- Asthma
- Atherosclerosis
- Atrophy
- Autoimmune Diseases
- Autoimmune Lymphoproliferative Syndrome
- Azoospermia
- Bone Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Carcinoma in Situ

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cardiovascular Diseases
- Celiac Disease
- Cervical Intraepithelial Neoplasia
- Cognition Disorders
- Colitis
- Colorectal Neoplasms
- Connective Tissue Diseases
- Crohn Disease
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- DNA Damage
- Ductus Arteriosus
- Edema
- Endometriosis
- Esophageal Neoplasms
- Eye Diseases
- Fetal Diseases
- Fetal Growth Retardation
- Fetal Membranes
- Gastroesophageal Reflux
- Genetic Predisposition to Disease
- Genital Neoplasms
- Glaucoma
- Graves Disease
- Head and Neck Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Helicobacter Infections
- HELLP Syndrome
- Hematologic Diseases
- Hepatitis
- Hepatitis B
- Hepatitis C
- HIV Infections
- HIV-Associated Lipodystrophy Syndrome
- Hodgkin Disease
- HTLV-I Infections
- Hyperlipidemias
- Hypertension
- Infant
- Infection
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Insulin Resistance
- Intestinal Neoplasms
- Kidney Failure
- Leber hereditary optic neuropathy
- Leukemia
- Leukoplakia
- Lung carcinoma
- Lung Neoplasms
- Lupus Erythematosus

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Lymphatic Metastasis
- Lymphocytosis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Mitochondrial Diseases
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocardial Infarction
- Nasopharyngeal Neoplasms
- Necrosis
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Obesity
- Occupational Diseases
- Oligospermia
- Optic Atrophy
- Oral Submucous Fibrosis
- Osteoporosis
- Osteosarcoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Papillomavirus Infections
- Pharyngeal Neoplasms
- Polycystic Ovary Syndrome
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Sarcoidosis
- Scleroderma
- Silicosis
- Skin Diseases
- Skin Neoplasms
- Spondylarthropathies
- Stomach Neoplasms
- Syndrome
- Thrombocytopenia
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Uterine Cervical Neoplasms
- Vitiligo
- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.