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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-BC7

F1A alpha Antibody

Overview

Description:	Anti-F1A alpha (RABBIT) Antibody - 600-401-BC7
Item No.:	600-401-BC7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Fas and tumor necrosis factor receptor 1 (TNFR1) are two prototype members in the death receptor family. A novel protein that associates with the intracellular domains of Fas and TNFR1 was recently identified and designated F1Aalpha and FEM1b. F1Aalpha/FEM1b is the homologue of C. elegans sex determining protein FEM-1. FEM-1/F1Aalpha is cleaved by CED-3 and caspase. FEM-1/F1Aalpha associates with CED-4 and its mammalian homologue Apaf-1. Overexpression of F1Aalpha induces apoptosis. F1Aalpha is therefore a novel member of the death receptor associated protein that mediates apoptosis. F1Aalpha is expressed in a variety of human and mouse tissues.
Synonyms:	F1A alpha Antibody, F1AA, F1A-ALPHA, FEM1-beta, F1AA, KIAA0396, Protein fem-1 homolog B, FEM1b
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FEM1B
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-F1A antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid peptide near the C-terminus of human F1A.

Purity/Specificity:	Anti-F1A alpha Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with F1A alpha from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UK73 • GeneID - 10116 • NCBI - AAF05314

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-F1A alpha Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 70 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

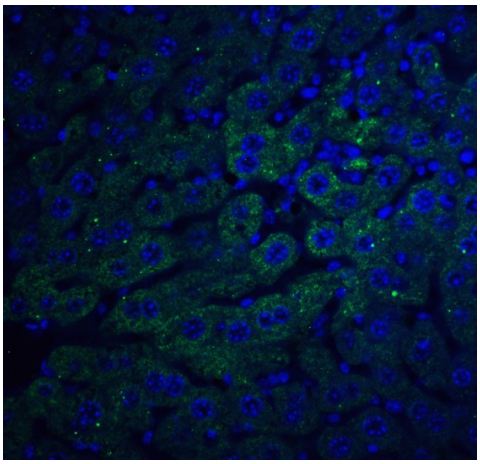
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

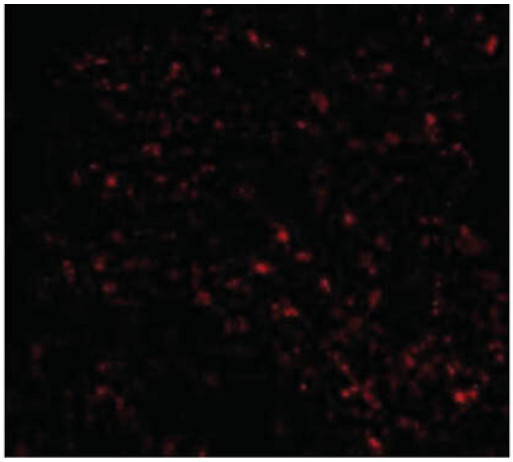
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

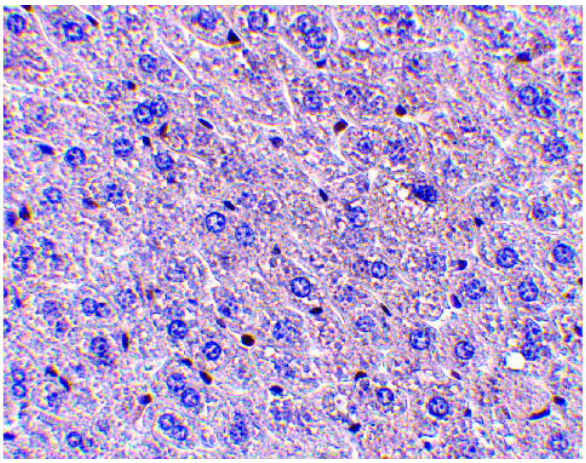
Images



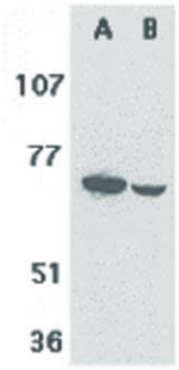
Immunofluorescence Microscopy
Immunofluorescence of F1A alpha in mouse liver tissue with F1A alpha antibody at 20 µg/ml. Green: F1A alpha. Antibody. Blue: DAPI staining.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of F1A alpha antibody. Tissue: Mouse liver cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: F1A alpha antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: F1A alpha is nuclear and cytoplasmic. Staining: F1A alpha as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of F1A alpha antibody. Tissue: Mouse liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: F1A alpha antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: F1A alpha is nuclear and cytoplasmic. Staining: F1A alpha as precipitated pink signal with hematoxylin purple nuclear counterstain.



Western Blot
Western Blot of F1A alpha antibody. Lane 1: Mouse liver tissue lysate. Lane 2: Rat liver tissue lysate. Load: 35 µg per lane. Primary antibody: F1A alpha antibody at 1 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 70.3 kDa, 70 kDa for F1A alpha.

Disclaimer

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