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Datasheet for 600-401-AJ6

CDIP Antibody

Overview

Description:	Anti-CDIP (RABBIT) Antibody - 600-401-AJ6
Item No.:	600-401-AJ6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The p53 tumor-suppressor gene integrates numerous signals that control cell life and death; loss of its functions contributes to the development of most cancers. CDIP is a novel pro-apoptotic target gene whose inhibition abrogates p53-mediated apoptotic responses. Overexpression of CDIP induced apoptosis in transfected cells while siRNA suppression of caspase-8 mRNA blocked this CDIP-induced apoptosis, indicating that the CDIP-dependent apoptosis pathway proceeds through extrinsic cell death pathway. CDIP may thus represent a novel target for drug design to maximize p53 response and sensitize tumor cells to cancer therapy. Multiple isoforms of CDIP are known to exist.
Synonyms:	CDIP Antibody, I1, CDIP, LITAFL, C16orf5, Cell death-inducing p53-target protein 1, Cell CDIP Antibody, LITAFL, C16orf5, Cell death-inducing p53-target protein 1, Cell death involved p53-target, Cell death-inducing protein, LITAF-like protein, Lipopolysaccharide-induced tumor necrosis factor-alpha-like protein, Transmembrane protein I1, CDIP1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CDIP1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-CDIP antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the internal region of human CDIP.
Purity/Specificity:	Anti-CDIP Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CDIP from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9H305 • GeneID - 29965 • NCBI - NP_037531

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-CDIP 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 22 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:	1:2500 - 1:5000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	0.25-0.5 µg/mL

Formulation

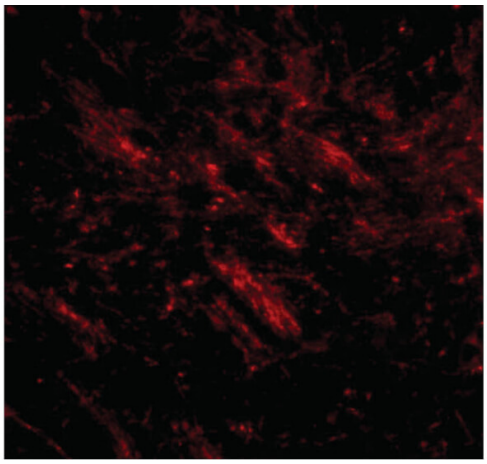
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

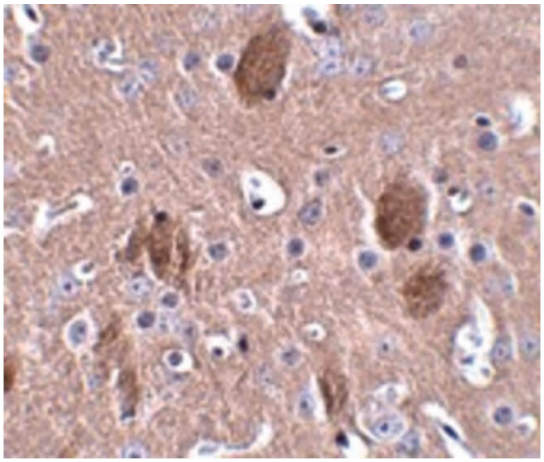
Shipping Condition:	Dry Ice

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.

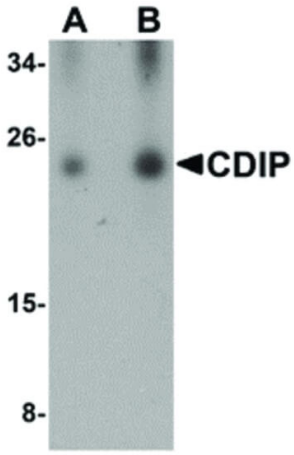
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of CDIP antibody. Tissue: Mouse brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: CDIP 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: CDIP is nuclear. Staining: CDIP as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of CDIP antibody. Tissue: Mouse brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CDIP antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: CDIP is nuclear. Staining: CDIP as precipitated brown signal with purple counterstain.



Western Blot

Western Blot of CDIP antibody. Lane 1: human brain lysate with CDIP antibody at 0.25 µg/mL. Lane 2: human brain lysate with CDIP antibody at 0.5 µg/mL. Load: 35 µg per lane. 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: 22 kDa, 24 kDa for CDIP. Other band(s): CDIP splice variants and isoforms.

Disclaimer

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