10320 Camino Santa Fe, Suite G
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CDIP Antibody
Catalog # ASC10855

Specification

CDIP Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q9H305
Other Accession	NP_037531, 118344450
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**CDIP antibody can be used for detection of CDIP by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.**

CDIP Antibody - Additional Information

Gene ID **29965**

Target/Specificity
C16orf5;

Reconstitution & Storage
CDIP antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
CDIP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CDIP Antibody - Protein Information

Name CDIP1

Synonyms C16orf5, CDIP, LITAFL

Function
Acts as an important p53/TP53-apoptotic effector. Regulates TNF-alpha-mediated apoptosis in a p53/TP53-dependent manner.

Cellular Location
Late endosome membrane; Peripheral membrane protein; Cytoplasmic side. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side

Tissue Location

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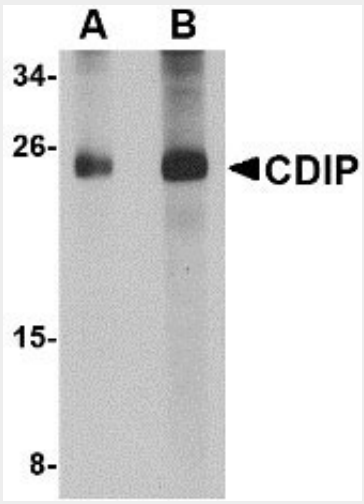
Highly expressed in brain. Expressed at lower level in heart, skeletal muscle, kidney, pancreas and liver. Weakly or not expressed in placenta and lung.

CDIP Antibody - Protocols

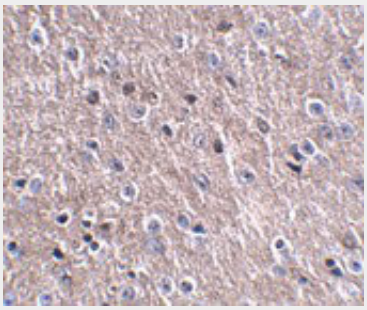
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CDIP Antibody - Images



Western blot analysis of CDIP in human brain lysate with CDIP antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of FNIP2 in mouse brain tissue with FNIP2 antibody at 2.5 µg/mL.

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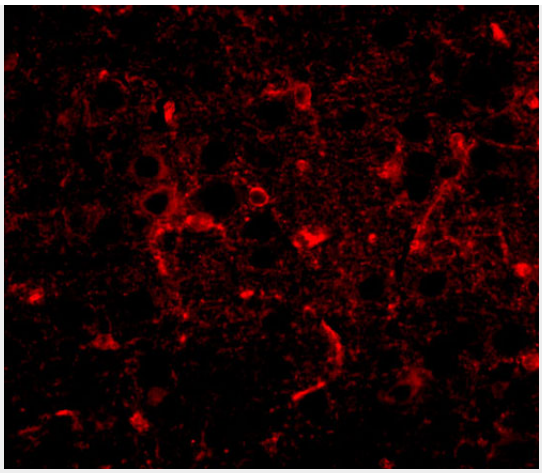

Immunofluorescence of CDIP1 in mouse brain tissue with CDIP1 antibody at 20 µg/mL.

CDIP Antibody - Background

CDIP Antibody: 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.

CDIP Antibody - References

Guimaraes DP and Hainaut P. TP53: a key gene in human cancer. Biochimie2002; 84:83-93.
Brown L, Ongusaha PP, Kim H-H, et al. CDIP, a novel pro-apoptotic gene, regulates TNFa-mediated apoptosis in a p53-dependent manner. EMBO J.2007; 26:3410-22.