10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCDC106 Antibody
Catalog # ASC11176

Specification

CCDC106 Antibody - Product Information

Application	**WB, IHC-P, IF, E**
Primary Accession	Q9BWC9
Other Accession	NP_037433, 94536856
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**CCDC106 antibody can be used for detection of CCDC106 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

CCDC106 Antibody - Additional Information

Gene ID **29903**

Target/Specificity
CCDC106;

Reconstitution & Storage
CCDC106 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
CCDC106 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CCDC106 Antibody - Protein Information

Name CCDC106

Function
Promotes the degradation of p53/TP53 protein and inhibits its transactivity.

Cellular Location
Nucleus. Note=Colocalizes with p53/TP53

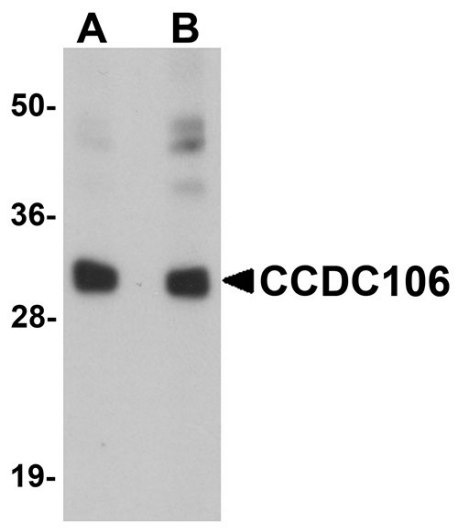
CCDC106 Antibody - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

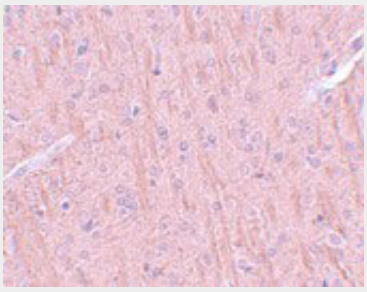
Provided below are standard protocols that you may find useful for product applications.

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

CCDC106 Antibody - Images

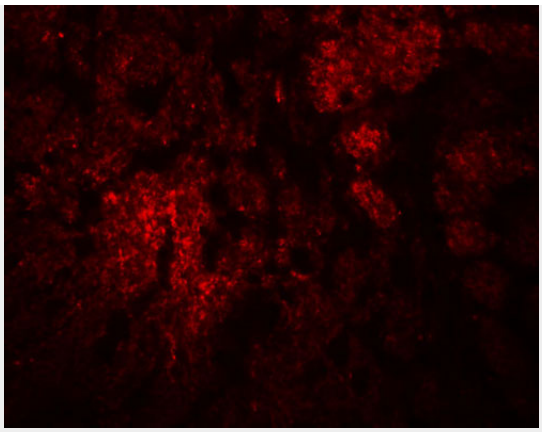


Western blot analysis of CCDC106 in human brain tissue lysate with CCDC106 antibody at (A) 0.5 and (B) 1 µg/mL.



Immunohistochemistry of CCDC106 in rat brain tissue with CCDC106 antibody at 5 µg/mL.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Immunofluorescence of CCDC106 in rat brain tissue with CCDC106 antibody at 20 µg/mL.

CCDC106 Antibody - Background

CCDC106 Antibody: The coiled-coil domain is a common protein motif that is often involved in protein oligomerization and is found in proteins such as transcription factors and intermediate filaments. CCDC106 was initially identified as a p53-interacting protein by yeast two-hybrid screening. Other experiments demonstrated that CCDC106 co-localizes and interacts with p53 in the nucleus, inhibiting the transcriptional activity of p53 and stimulating p53 protein degradation, indicating that at least one of the functions of CCDC106 is acting as a negative regulator of p53.

CCDC106 Antibody - References

Steinmetz MO, Jelesarov I, Matousek WM, et al. Molecular basis of coiled-coil formation. Proc. Natl. Acad. Sci. USA2007; 104:7062-7.
telzl U, Worm U, Lalowski M, et al. A human protein-protein interaction network: a resource for annotating the proteome. Cell2005; 122:957-68.
Zhou J, Qiao X, Xiao L, et al. Identification and characterization of the novel protein CCDC106 that interacts with p53 and promotes its degradation. FEBS Lett.2010; 584:1085-90.