

**CCDC106 Antibody**  
Catalog # ASC11176**Specification**

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**CCDC106 Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">O9BWC9</a>
Other Accession	<a href="#">NP_037433</a> , <a href="#">94536856</a>
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°C for three months and -20°C, 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**

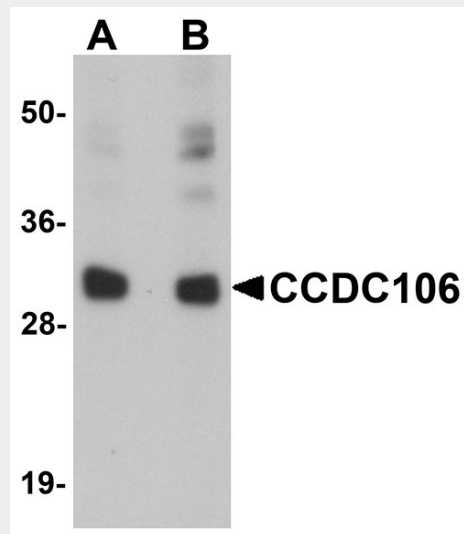
Nucleus. Note=Colocalizes with p53/TP53

**CCDC106 Antibody - Protocols**

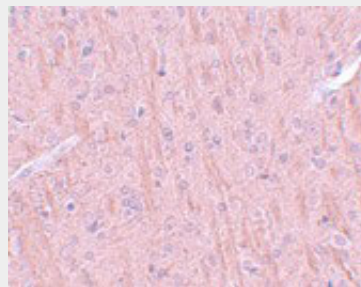
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

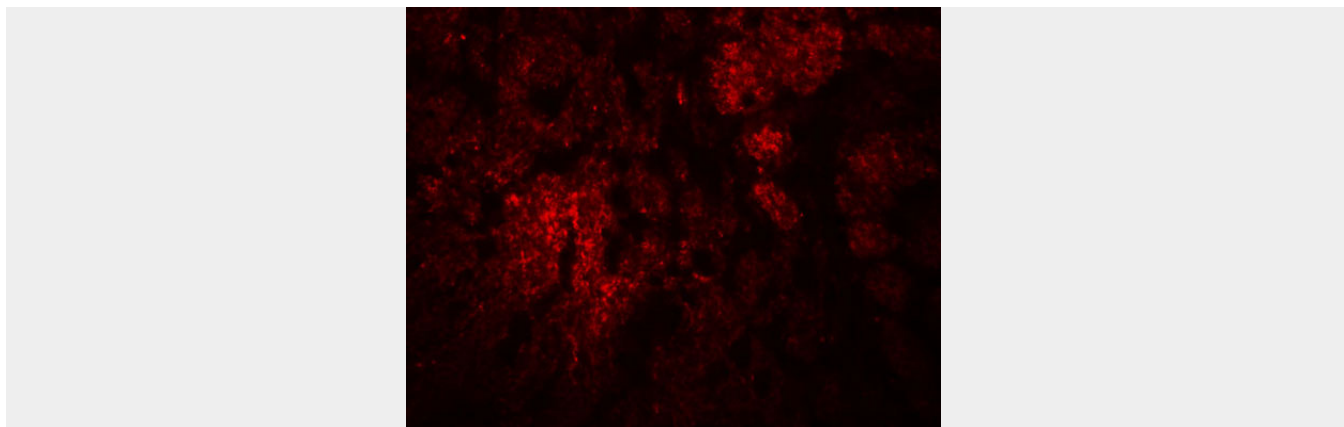
#### CCDC106 Antibody - Images



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.



Immunofluorescence of CCDC106 in rat brain tissue with CCDC106 antibody at 20  $\mu$ g/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.