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CCDC106 Antibody

Catalog # ASC11176

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9BWC9
Other Accession	NP_037433, 94536856
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	32032
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	CCDC106 antibody can be used for detection of CCDC106 by Western blot at 0.5 - 1 g/mL. Antibody can also be used for immunohistochemistry starting at 5 g/mL. For immunofluorescence start at 20 g/mL.

Additional Information

Gene ID	29903
Other Names	Coiled-coil domain-containing protein 106, CCDC106
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.

Protein Information

Name	CCDC106
Function	Promotes the degradation of p53/TP53 protein and inhibits its transactivity.
Cellular Location	Nucleus. Note=Colocalizes with p53/TP53

Background

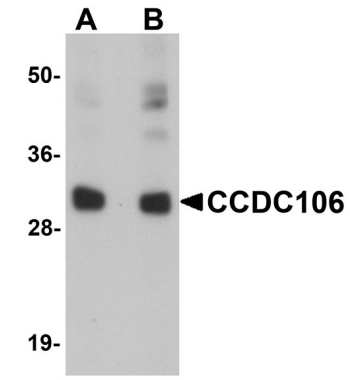
CCDC106 Antibody: The coiled-coil domain is a common protein motif that is often involved in protein oligomerization and is found in proteins such as transcription factors and intermediate filaments. CCDC106

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.

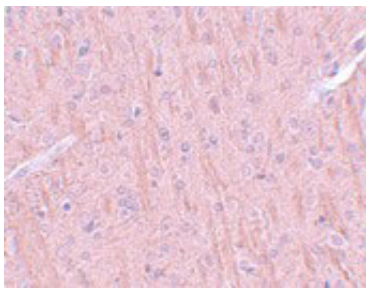
References

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.

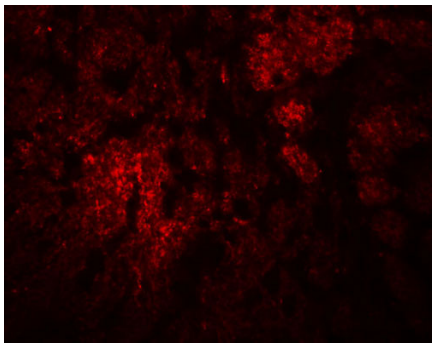
Images



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 µg/mL.