

CCDC55 Antibody
Catalog # ASC11384**Specification**

CCDC55 Antibody - Product Information

Application	WB, IF
Primary Accession	Q9H0G5
Other Accession	NP_115517 , 14149807
Reactivity	Human, Mouse, Rat
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Application Notes	CCDC55 antibody can be used for detection of CCDC55 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunofluorescence starting at 20 µg/mL. For immunofluorescence start at 20 µg/mL.

CCDC55 Antibody - Additional InformationGene ID **84081****Target/Specificity**

NSRP1; At least three isoforms are known to exist; this antibody will detect all three.

Reconstitution & Storage

CCDC55 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

CCDC55 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CCDC55 Antibody - Protein Information**Name** NSRP1**Synonyms** CCDC55, NSRP70**Function**

RNA-binding protein that mediates pre-mRNA alternative splicing regulation.

Cellular Location

Nucleus. Nucleus speckle. Note=Colocalizes with splicing factors SRSF1 and SRSF2 in speckles

Tissue Location

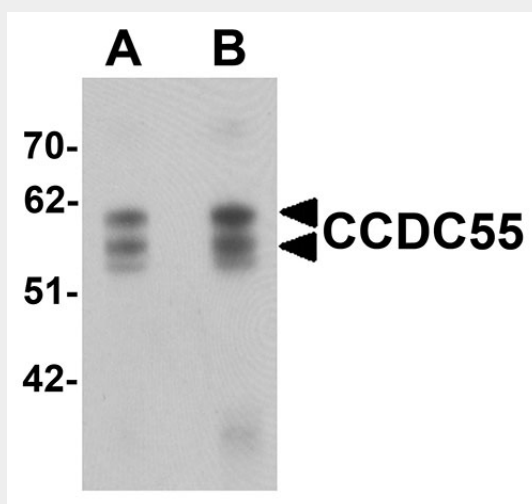
Expressed in dendritic cells, T-cells, B-cells and natural killer cells. Expressed in secondary lymphoid organs such as spleen and mesenteric, axillary and brachial lymph nodes

CCDC55 Antibody - Protocols

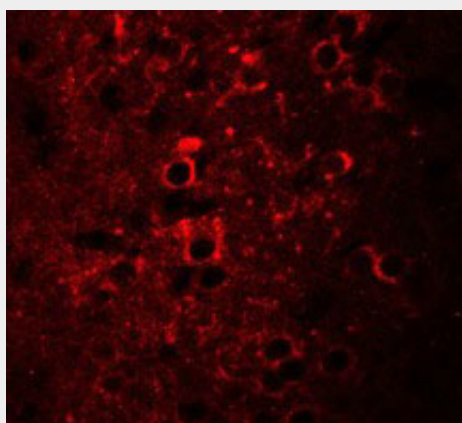
Provided below are standard protocols that you may find useful for product applications.

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

CCDC55 Antibody - Images



Western blot analysis of CCDC55 in human brain tissue lysate with CCDC55 antibody at (A) 0.5 and (B) 1 µg/mL



Immunofluorescence of CCDC55 in mouse brain cells with CCDC55 antibody at 20 µg/mL.

CCDC55 Antibody - Background

CCDC55 Antibody: CCDC55, also known as Nuclear speckle-related protein 70 (NSrp70), was initially identified by the NIH Mammalian Gene Collection. Nuclear speckles are known to be the storage sites of mRNA splicing regulators. CCDC55 has been suggested to modulate alternative

pre-mRNA splicing in vivo. It co-localizes and physically interacts with the SR proteins SC35 and ASF/SF2, essential splicing factors which are required for constitutive splicing and can regulate alternative mRNA splicing. Loss of CCDC55 in mice leads to early embryonic lethality highlights the importance of the functional role of CCDC55.

CCDC55 Antibody - References

Kim YD, Lee JY, Oh KM, et al. NSrp70 is a novel nuclear speckle-related protein that modulates alternative pre-mRNA splicing in vivo. Nuc. Acids Res. 2011; 39:4300-14.