

### **CCDC7 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58826

# **Specification**

### **CCDC7 Polyclonal Antibody - Product Information**

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State
Immunogen

**Epitope Specificity** 

Isotype **Purity** 

affinity purified by Protein A

WB, IHC-P, IHC-F, IF, E

096M83

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 56 KDa Liquid

KLH conjugated synthetic peptide derived

from human CCDC7

155-250/486

IqG

Buffer

0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

Important Note

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

#### **Background Descriptions**

The coiled-coil domain is a structural motif found in proteins that are involved in a diverse array of biological functions such as the regulation of gene expression, cell division, membrane fusion and drug extrusion and delivery. Some proteins that contain coil-coiled domains include c-jun, c-fos and tropomyosin. Coiled-coil domains consist of two or more ?helices packed together via interlacing side chains. CCDC7 (Coiled-coil domain-containing protein 7) is a 486 amino acid protein that contains a coiled-coil domain and is encoded by a gene that maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria. There are two isoforms of CCDC7 that are produced as a result of alternative splicing events.

# **CCDC7 Polyclonal Antibody - Additional Information**

### **Gene ID** 79741

#### **Other Names**

Coiled-coil domain-containing protein 7, Protein BIOT2, CCDC7, BIOT2, C10orf68

#### **Dilution**

="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class



="dilution IF">IF $\sim$ 1:50 $\sim$ 200</span><br/>span class ="dilution E">E $\sim$ N/A</span>

#### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

### **CCDC7 Polyclonal Antibody - Protein Information**

### Name CCDC7

Synonyms BIOT2, C10orf68

### **Function**

May play a role in tumorigenesis.

#### **Tissue Location**

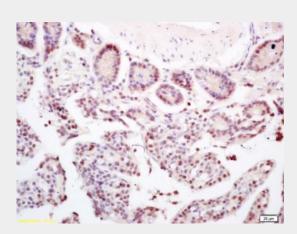
Expressed in epithelium of normal cervix and cervical cancer. Overexpressed in early and interim cervical cancer

## **CCDC7 Polyclonal 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

# **CCDC7 Polyclonal Antibody - Images**

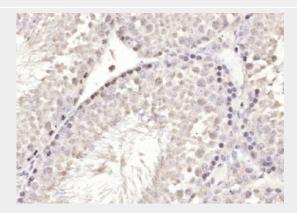


Tissue/cell: Mouse intestine; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous



peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-CCDC7 Polyclonal Antibody, Unconjugated(bs-7991R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

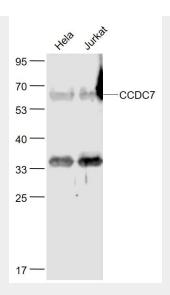


Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCDC7) Polyclonal Antibody, Unconjugated (bs-7991R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCDC7) Polyclonal Antibody, Unconjugated (bs-7991R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.





# Sample:

Hela(Human) Cell Lysate at 30 ug Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti- CCDC7 (bs-7991R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD Observed band size: 56 kD