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

CCDC50 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58550

Specification

CCDC50 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q8IVM0
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human CCDC50**
Epitope Specificity	**251-306/306**
Isotype	**IgG**
Purity affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
Post-translational modifications	**Phosphorylated on tyrosine residues.**
DISEASE	**Defects in CCDC50 are the cause of deafness autosomal dominant type 44 (DFNA44) . A form of non-syndromic hearing loss. It is initially moderate and affects mainly low to mid frequencies. Later, it progresses to involve all the frequencies and leads to a profound hearing loss by the 6th decade. The onset of the hearing loss occurs in the first decade of life.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
This gene encodes a soluble, cytoplasmic, tyrosine-phosphorylated protein with multiple ubiquitin-interacting domains. Mutations in this gene cause nonsyndromic, postlingual, progressive sensorineural DFNA44 hearing loss. In mouse, the protein is expressed in the inner ear during development and postnatal maturation and associates with microtubule-based structures. This protein may also function as a negative regulator of NF-kB signaling and as an effector of epidermal growth factor (EGF)-mediated cell signaling. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008].

CCDC50 Polyclonal Antibody - Additional Information

Gene ID 152137

Other Names
Coiled-coil domain-containing protein 50, Protein Ymer, CCDC50, C3orf6

Target/Specificity
Isoform 1 and isoform 2 are co-expressed in placenta, liver, lung, kidney and pancreas. Only isoform 1 is detected in skeletal muscle, brain and heart.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage
Store at -20 ℃ 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 ℃.

CCDC50 Polyclonal Antibody - Protein Information

Name CCDC50

Synonyms C3orf6

Function
Involved in EGFR signaling.

Cellular Location
Cytoplasm. Note=Associated with microtubules of the cytoskeleton and mitotic apparatus.

Tissue Location
Isoform 1 and isoform 2 are coexpressed in placenta, liver, lung, kidney and pancreas. Only isoform 1 is detected in skeletal muscle, brain and heart.

CCDC50 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

CCDC50 Polyclonal Antibody - Images

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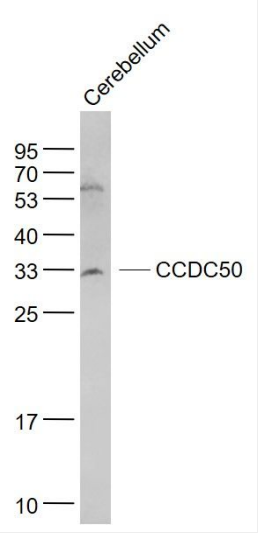
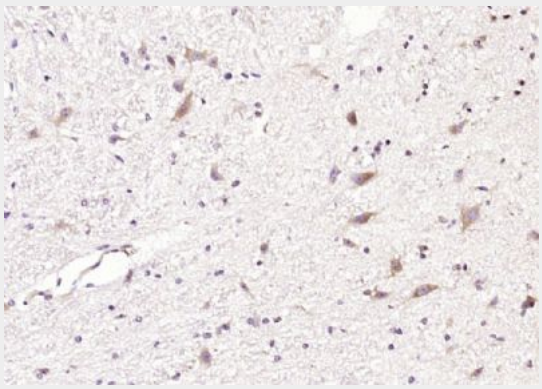


Sample:
Cerebellum (Mouse) Lysate at 40 ug
Primary: Anti- CCDC50 (bs-6920R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD
Observed band size: 33 kD



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); 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 (CCDC50) Polyclonal Antibody, Unconjugated (bs-6920R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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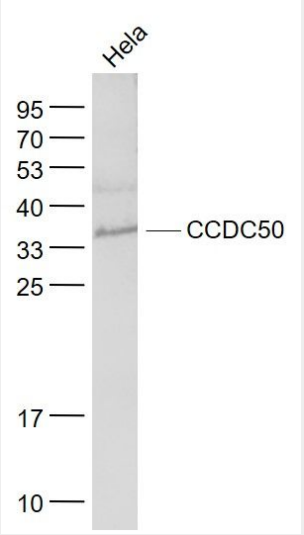

Sample:
Hela(Human) Cell Lysate at 30 ug
Primary: Anti- CCDC50 (bs-6920R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD
Observed band size: 34 kD