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Rabbit Anti-CCDC50 antibody

SL6920R

Product Name:	CCDC50
Chinese Name:	卷曲螺旋结构域蛋白50抗体
Alias:	C3orf6; C3orf6 YMER; CCD50_HUMAN; CCDC 50; Ccdc50; Chromosome 3 open reading frame 6; Coiled coil domain containing 50; Coiled coil domain containing protein 50; Coiled-coil domain-containing protein 50; Protein Ymer; Ymer; Ymer protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CCDC50:251-350/306
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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].

Function:
Involved in EGFR signaling.

Tissue 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.

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.

SWISS:
Q8IVM0

Gene ID:
152137

Database links:

Entrez Gene: 152137 Human

Entrez Gene: 67501 Mouse

Entrez Gene: 288022 Rat

SwissProt: Q8IVM0 Human

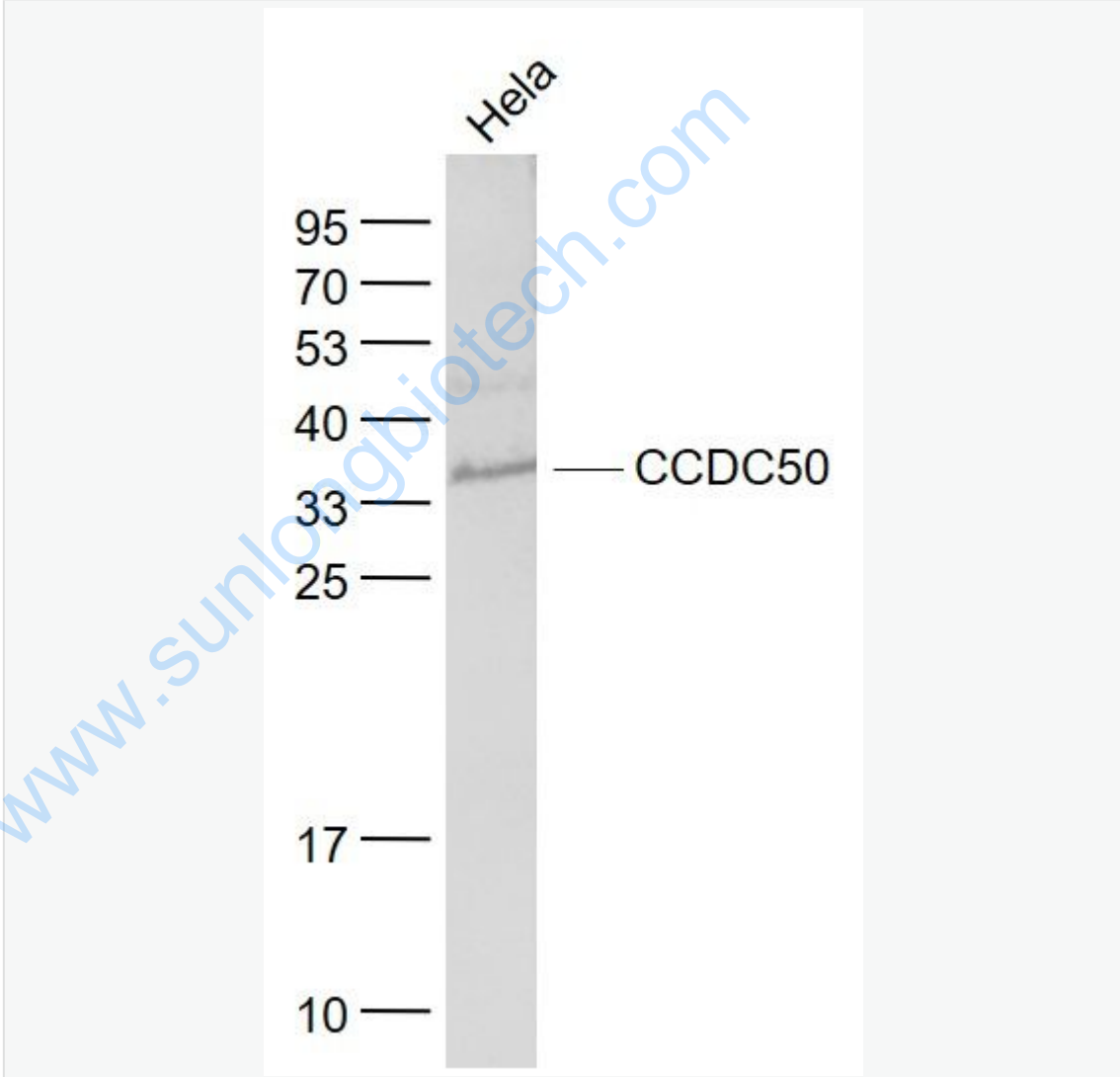
SwissProt: Q3TNK7 Mouse

SwissProt: Q3TRW1 Mouse

SwissProt: Q810U5 Mouse

SwissProt: Q810U0 Rat

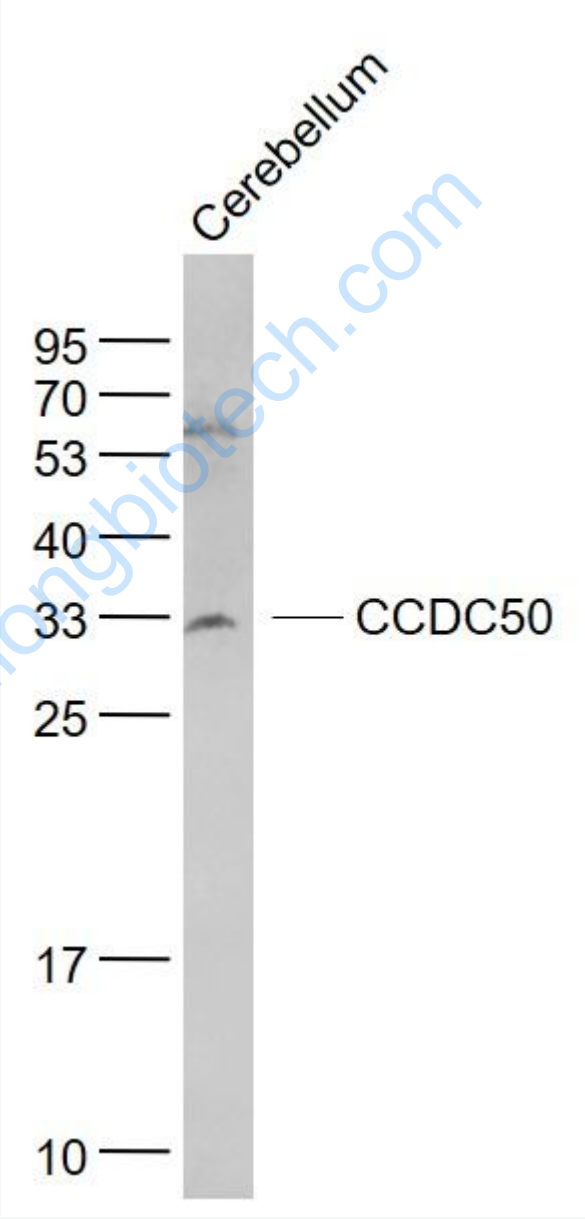
Unigene: 478682 Human

	Unigene: 258985 Mouse Unigene: 9610 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Hela(Human) Cell Lysate at 30 ug Primary: Anti- CCDC50 (SL6920R) at 1/1000 dilution

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

Predicted band size: 34 kD

Observed band size: 34 kD



Sample:

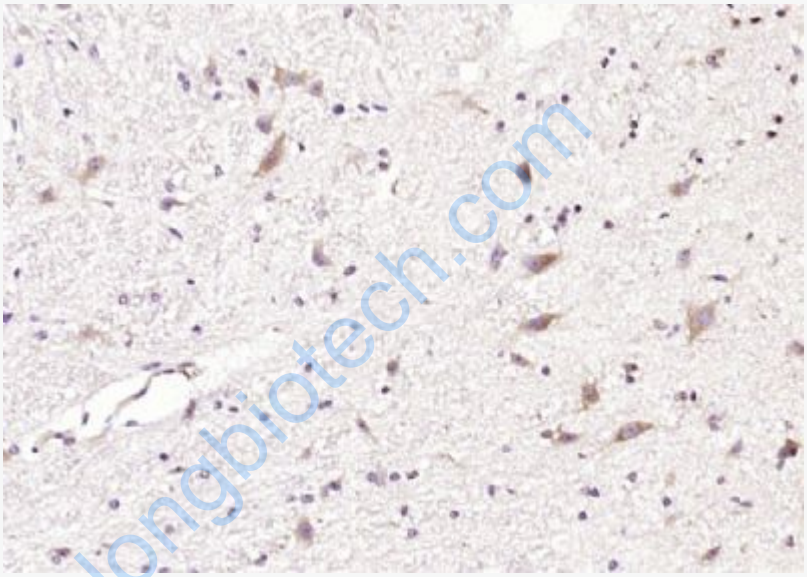
Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti- CCDC50 (SL6920R) 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 (SL6920R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.