SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-CCDC22 antibody

SL8124R

Product Name:	CCDC22
Chinese Name:	卷曲螺旋结构域蛋白22抗体
Alias:	AI481216; CCD22_HUMAN; Ccdc22.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
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:	71kDa
Cellular localization:	The nucleuscytoplasmicExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human CCDC22:525-627/627
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 protein containing a coiled-coil domain. The mouse orthologous protein has been shown to bind copines, which are calcium-dependent, membrane-binding proteins that may function in calcium signaling. Localization of the orthologous rat protein suggests that it may play a role in neuronal injury response. This human gene has been identified as a novel candidate gene for syndromic X-linked intellectual disability. [provided by RefSeq, Aug 2011].

Subunit:
Interacts with CPNE1 and CPNE4 (By similarity).

Tissue Specificity:
Widely expressed in adult tissues and in fetal liver and brain, with highest levels in prostate and lowest in skeletal muscle.

DISEASE:
Note=May be involved in X-linked syndromic mental retardation (PubMed:21826058). CCDC22 expression has been found to be down-regulated in a family with a phenotype consistent with X-linked syndromic mental retardation, and carrying variant Ala-17. In addition to intellectual disability, affected individuals have cardiac and skeletal abnormalities.

Similarity:
Belongs to the CCDC22 family.

SWISS:
O60826

Gene ID:
28952

Database links:

Entrez Gene: 28952Human

Entrez Gene: 54638Mouse

Entrez Gene: 317381Rat

Omim: 300859Human

SwissProt: O60826Human

SwissProt: Q9JIG7Mouse

SwissProt: P86182Rat

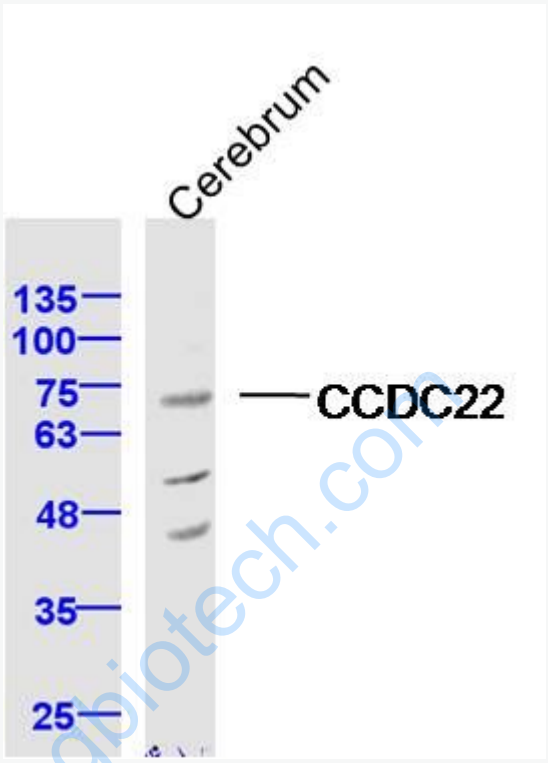
Unigene: 247700Human

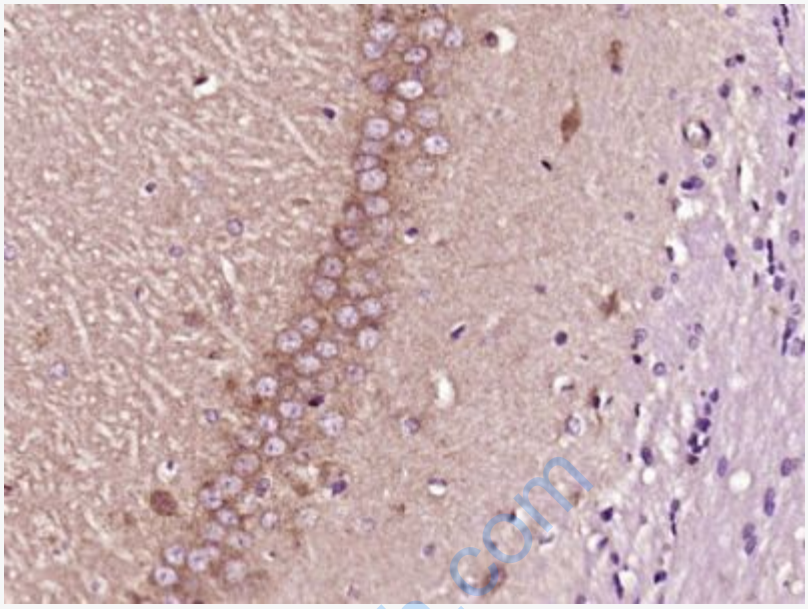
Unigene: 26333Human

Unigene: 288192Mouse

Unigene: 38478Rat

Important Note:
This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
Picture:	 Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-CCDC22 (SL8124R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 71 kD Observed band size: 71 kD



Paraformaldehyde-fixed, paraffin embedded (Rat 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 (CCDC22) Polyclonal Antibody, Unconjugated (SL8124R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.