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Rabbit Anti-CCDC69 antibody

SL6919R

Product Name:	CCDC69
Chinese Name:	卷曲螺旋结构域蛋白69抗体
Alias:	CCD69_HUMAN; ccdc69; Coiled coil domain containing 69; Coiled-coil domain-containing protein 69.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Dog,Cow,Rabbit,Sheep,
Applications:	ELISA=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:	32kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CCDC69:41-140/296
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:	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. CCDC69 (Coiled-coil domain-containing protein 69) is a 296 amino acid protein that is encoded by a gene which maps to human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. Chromosome 5 is associated with

Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5-associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

Function:
May act as a scaffold to regulate the recruitment and assembly of spindle midzone components. Required for the localization of AURKB and PLK1 to the spindle midzone.

Subcellular Location:
Cytoplasm, cytoskeleton, spindle {ECO:0000269|PubMed:20962590}. Midbody {ECO:0000269|PubMed:20962590}. localizes along overlapping interpolar microtubules between the separating chromosomes. During late anaphase, localizes to the center of spindle midzone. Concentrated at the midbody during telophase.

Tissue Specificity:
Highly expressed in duodenum, esophagus, pancreas, prostate, salivary gland, thymus and urinary bladder.

Similarity:
Belongs to the CCDC69 family.

SWISS:
A6NI79

Gene ID:
26112

Database links:

Entrez Gene: 26112Human

Entrez Gene: 52570Mouse

Entrez Gene: 497906Rat

SwissProt: A6NI79Human

SwissProt: Q3TCJ8Mouse

Unigene: 655336Human

Unigene: 22361Mouse

Unigene: 138612Rat

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