

CCDC25 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14066**Specification**

CCDC25 antibody - middle region - Product Information

Application	WB
Primary Accession	Q86WR0
Other Accession	NM_018246 , NP_060716
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Rabbit, Horse
Clonality	Rabbit
Calculated MW	Polyclonal 24kDa KDa

CCDC25 antibody - middle region - Additional Information**Gene ID** 55246

Alias Symbol	FLJ10853
Other Names	
Coiled-coil domain-containing protein 25, CCDC25	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CCDC25 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CCDC25 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

CCDC25 antibody - middle region - Protein Information**Name** CCDC25 {ECO:0000303|PubMed:32528174, ECO:0000312|HGNC:HGNC:25591}**Function**

Transmembrane receptor that senses neutrophil extracellular traps (NETs) and triggers the ILK-PARVB pathway to enhance cell motility (PubMed:[32528174](http://www.uniprot.org/citations/32528174)). NETs are mainly composed of DNA fibers and are released by neutrophils to bind pathogens during inflammation (PubMed:[32528174](http://www.uniprot.org/citations/32528174)). Formation of NETs is also associated with cancer metastasis, NET-DNA acting as a chemotactic factor to attract cancer cells (PubMed:[32528174](http://www.uniprot.org/citations/32528174)). Specifically

binds NETs on its extracellular region, in particular the 8-OHdG-enriched DNA present in NETs, and recruits ILK, initiating the ILK-PARVB cascade to induce cytoskeleton rearrangement and directional migration of cells (PubMed:32528174). In the context of cancer, promotes cancer metastasis by sensing NETs and promoting migration of tumor cells (PubMed:32528174).

Cellular Location

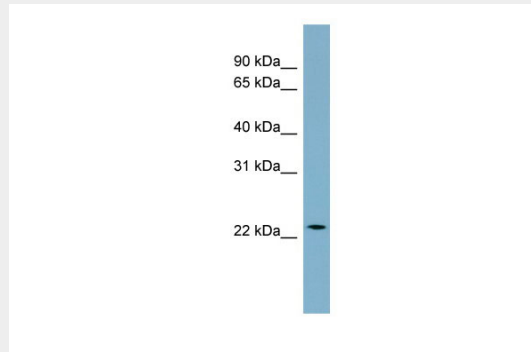
Cell membrane; Single-pass membrane protein Endomembrane system. Note=Localizes to cytoplasmic membrane in tumor cells.

CCDC25 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CCDC25 antibody - middle region - Images



WB Suggested Anti-CCDC25 Antibody Titration: 0.2-1 µg/ml

Positive Control: Hela cell lysate

CCDC25 antibody - middle region - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 439:331-335(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Olsen J.V.,et al.Cell 127:635-648(2006).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).