

# CCDC25 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14066

## Product Information

Application	WB
Primary Accession	<a href="#">Q86WRO</a>
Other Accession	<a href="#">NM_018246</a> , <a href="#">NP_060716</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24479

## 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.

## 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: <a href="#">32528174</a> ). NETs are mainly composed of DNA fibers and are released by neutrophils to bind pathogens during inflammation (PubMed: <a href="#">32528174</a> ). Formation of NETs is also associated with cancer metastasis, NET-DNA acting as a chemotactic factor to attract cancer cells (PubMed: <a href="#">32528174</a> ). 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: <a href="#">32528174</a> ). 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.

## References

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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).

## Images

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WB Suggested Anti-CCDC25 Antibody Titration: 0.2-1  
µg/ml  
Positive Control: Hela cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.