

CCDC25 antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI14066

Product Information

WB
<u>Q86WR0</u>
<u>NM_018246, NP_060716</u>
Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Human, Mouse, Rat, Rabbit, Horse
Rabbit
Polyclonal
24479

Additional Information

Gene ID	55246
Alias Symbol Other Names	FLJ10853 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: <u>32528174</u>). NETs are mainly composed of DNA fibers and are released by neutrophils to bind pathogens during inflammation (PubMed: <u>32528174</u>). Formation of NETs is also associated with cancer metastasis, NET-DNA acting as a chemotactic factor to attract cancer cells (PubMed: <u>32528174</u>). 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:<u>32528174</u>). In the context of cancer,

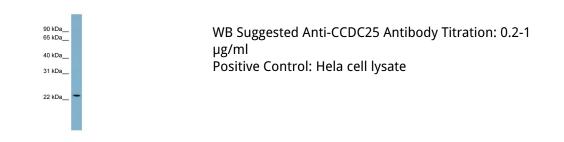
1 of 2

	promotes cancer metastasis by sensing NETs and promoting migration of tumor cells (PubMed: <u>32528174</u>).
Cellular Location	Cell membrane; Single-pass membrane protein Endomembrane system. Note=Localizes to cytoplasmic membrane in tumor cells.

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).

Images



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