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DAND5 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15393

Product Information

Application	WB
Primary Accession	Q8N907
Other Accession	NM_152654, NP_689867
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20180

Additional Information

Gene ID	199699
Alias Symbol	CER2, CERL2, CKTSF1B3, COCO, CRL2, DANTE, GREM3, MGC126849, SP1
Other Names	DAN domain family member 5, Cerberus-like protein 2, Cerl-2, Cysteine knot superfamily 1, BMP antagonist 3, Gremlin-3, DAND5, CER2, CKTSF1B3, GREM3, SP1
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-DAND5 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	DAND5 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

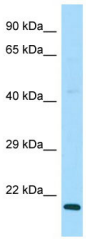
Name	DAND5
Function	Antagonist of the extracellular signaling protein NODAL, which is required for correct left-right patterning during embryonic development (By similarity). Antagonist of BMP and TGF-beta signaling (PubMed:33587337). Independently of its role in left-right axis establishment, plays a role during heart development, possibly through the regulation of TGF-beta/Nodal signaling pathway (By similarity). Displays anti-angiogenic activity by inhibiting endothelial sprouting, migration, and proliferation. Once internalized by endothelial cells, may alter their redox and glycolytic balance (PubMed:33587337).

Cellular Location	Secreted. Note=Circulating DAND5 may be uptaken by endothelial cells and transported to mitochondria
Tissue Location	Expressed in the retina, in inner segments of photoreceptors, at or close to the outer plexiform layer and in the ganglion cell layer (at protein level).

References

Itoh N.,et al.Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Katoh M.,et al.Oncol. Rep. 12:423-427(2004).

Images



WB Suggested Anti-DAND5 Antibody Titration: 1.0 µg/ml
Positive Control: MCF7 Whole Cell

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