

Mouse DAND5 Monoclonal Antibody | anti-DAND5 antibody

DAND5 antibody

CATALOG # AAA74884	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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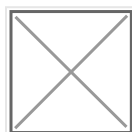
PRODUCT SYNONYMS

DAND5; Monoclonal Antibody; DAND5 antibody; Monoclonal DAND5; Anti-DAND5; DAN domain family member 5; CER2; CKTSF1B3; GREM3; DANTE; Cerberus like protein 2; Cysteine knot superfamily 1 BMP antagonist 3; DAND 5; DAND-5; anti-DAND5 antibody

PRODUCT SPECIFICATIONS

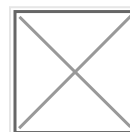
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2H3
Purity/Purification	DAND5 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-DAND5 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	DAND5 is a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted protein encoded by this gene is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, this protein has been shown to bind Nodal and to inhibit the Nodal signaling pathway which patterns left/right body asymmetry.
Cross-Reactivity	Human
Immunogen	DAND5 antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 23-189 of human DAND5 (NP_689867) produced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of DAND5 protein in paraffin embedded Adenocarcinoma of Human endometrium tissue using DAND5 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant DAND5 protein (Right) or empty vector (Left) detected with DAND5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-DAND5 antibody	Mouse monoclonal DAND5 antibody
Product Categories/Family for anti-DAND5 antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	22749329
NCBI GeneID	199699
NCBI Accession #	NP_689867
NCBI GenBank Nucleotide #	NM_152654.2
UniProt Accession #	Q8N907
Molecular Weight	20,180 Da
NCBI Official Full Name	DAN domain family member 5
NCBI Official Synonym Full Names	DAN domain family member 5, BMP antagonist
NCBI Official Symbol	DAND5
NCBI Official Synonym Symbols	SP1; CER2; COCO; CRL2; CERL2; DANTE; GREM3; CKTSF1B3
NCBI Protein Information	DAN domain family member 5
UniProt Protein Name	DAN domain family member 5
UniProt Gene Name	DAND5
UniProt Synonym Gene Names	CER2; CKTSF1B3; GREM3; SP1; Cerl-2
UniProt Entry Name	DAND5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/dand5-antibody-clone-2h3-western-blot-immunohistochemistry-flow-cytometry-elisa/74884>