



Anti-DAND5 (aa 90-188) polyclonal antibody (DPAB-DC845)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes 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.
Immunogen	DAND5 (NP_689867, 90 a.a. ~ 188 a.a) partial recombinant protein with GST tag. The sequence is PLNPQEVIIQGMCKAVPFVQVFSRPGCSAIRLRNHLFCFGHCSSLYIPGSDPTPLVLCNSCM PARKRWAPVVLWCLTGSSASRRRVKISTMLIEGCHCSPK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DAND5 DAN domain family member 5, BMP antagonist [Homo sapiens (human)]
Official Symbol	DAND5
Synonyms	DAND5; DAN domain family member 5, BMP antagonist; SP1; CER2; COCO; CRL2; CERL2; DANTE; GREM3; CKTSF1B3; DAN domain family member 5; cerl-2; gremlin-3; cerberus 2; cerberus-like 2; cerberus-like protein 2; DAN domain family, member 5; cysteine knot superfamily 1, BMP antagonist 3;
Entrez Gene ID	199699
Protein Refseq	NP_689867
UniProt ID	Q8N907
Chromosome Location	19p13.2
Function	morphogen activity;