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CER1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1322a

Product Information

Application	WB, IHC, E
Primary Accession	O95813
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	9D6
Isotype	IgG1
Calculated MW	30084
Description	CER1: cerberus 1, cysteine knot superfamily, homolog (Xenopus laevis). Ii is a cytokine member of the cysteine knot superfamily, characterized by nine conserved cysteines and a cysteine knot region. The cerberus-related cytokines, together with Dan and DRM/Gremlin, represent a group of bone morphogenetic protein (BMP) antagonists that can bind directly to BMPs and inhibit their activity.
Immunogen	Purified recombinant fragment of human CER1 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	9350
Other Names	Cerberus, Cerberus-related protein, DAN domain family member 4, CER1, DAND4
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CER1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CER1
Synonyms	DAND4

Function	Cytokine that may play a role in anterior neural induction and somite formation during embryogenesis in part through a BMP- inhibitory mechanism. Can regulate Nodal signaling during gastrulation as well as the formation and patterning of the primitive streak (By similarity).
Cellular Location	Secreted.

References

1. Dev Biol. 1998 Feb 15;194(2):135-51. 2. Growth Factors. 2004 Dec;22(4):233-41. 3. PLoS One. 2009;4(4):e5302.

Images

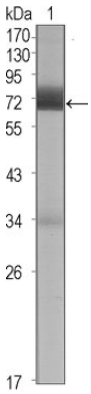

Figure 1: Western blot analysis using CER1 mouse mAb against CER1 (aa18-267)-hIgGFc transfected HEK293 cell lysate (1).

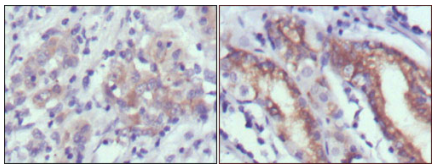

Figure 2: Immunohistochemical analysis of paraffin-embedded human gastric cancer (left) and normal gastric tissues (right) using CER1 mouse mAb with DAB staining.

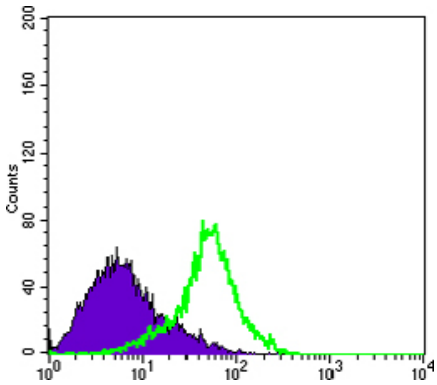

Figure 3: Flow cytometric analysis of Hela cells using Metadherin mouse mAb (green) and negative control (purple).