10320 Camino Santa Fe, Suite G
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CER1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1322a

Specification

CER1 Antibody - Product Information

Application	**WB, IHC, FC**
Primary Accession	O95813
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**30kDa KDa**

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.

CER1 Antibody - 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
FC~~1:200~~400

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.

CER1 Antibody - Protein Information

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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.

CER1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CER1 Antibody - Images

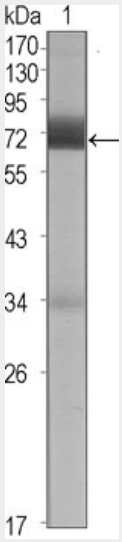

Figure 1: Western blot analysis using CER1 mouse mAb against CER1 (aa18-267)-hIgGFc transfected HEK293 cell lysate (1).

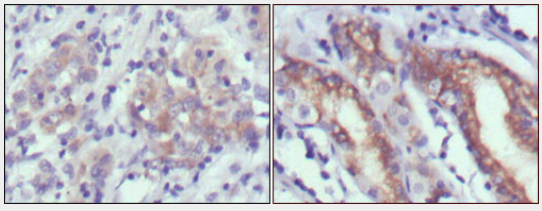

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Figure 2: Immunohistochemical analysis of paraffin-embedded human gastric cancer (left) and normal gastric tissues (right) using CER1 mouse mAb with DAB staining.

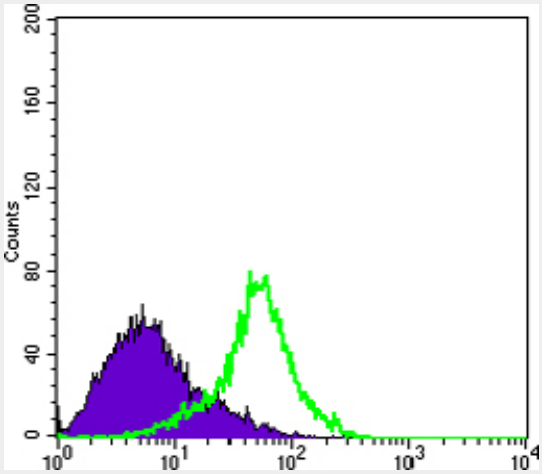

Figure 3: Flow cytometric analysis of Hela cells using Metadherin mouse mAb (green) and negative control (purple).

CER1 Antibody - 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.