

#### **CER1 Antibody**

**Purified Mouse Monoclonal Antibody** Catalog # AO1322a

### **Specification**

### **CER1 Antibody - Product Information**

WB, IHC, FC Application **Primary Accession** 095813 Reactivity Human Host Mouse Clonality **Monoclonal** Isotype laG1 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**



## 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **CER1 Antibody - Images**

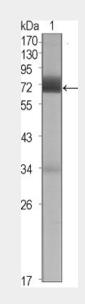


Figure 1: Western blot analysis using CER1 mouse mAb against CER1 (aa18-267)-hlgGFc transfected HEK293 cell lysate (1).

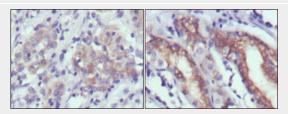




Figure 2: Immunohistochemical analysis of paraffin-embedded human gastric cancer (left) and normal gastric tissues (right) using CER1 mouse mAb with DAB staining.

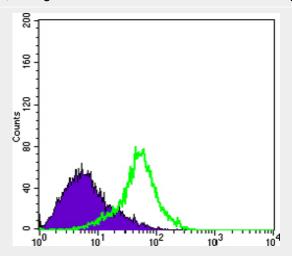


Figure 3: Flow cytometric analysis of Hela cells using Metadherin mouse mAb (green) and negative control (purple).

# **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.