

CER1 Antibody
Mouse Monoclonal Antibody to CER1
Catalog # AO1313b**Specification**

CER1 Antibody - Product Information

Application	WB, E
Primary Accession	O95813
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	30084

Description

CER1: cerberus 1, cysteine knot superfamily, homolog (Xenopus laevis). It 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.

CER1 Antibody - Additional Information

Gene ID 9350

Other Names

Cerberus, Cerberus-related protein, DAN domain family member 4, CER1, DAND4

Target/Specificity

Purified recombinant fragment of human CER1 expressed in E. Coli.

Dilution

WB~~1:500~~2000

E~~N/A

Format

Ascitic fluid containing 0.03% sodium azide.

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CER1 Antibody - Images

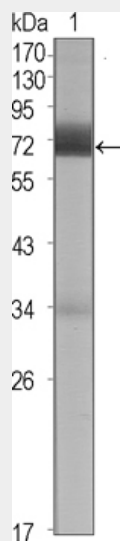


Figure 1: Western blot analysis using CER1 mouse mAb against CER1 (aa18-267)-hIgGfc transfected HEK293 cell lysate (1).

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.