

# CER1 Antibody

Mouse Monoclonal Antibody to CER1

Catalog # AO1313b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">O95813</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	5C6
<b>Isotype</b>	Mouse IgG1
<b>Calculated MW</b>	30084
<b>Description</b>	CER1: cerberus 1, cysteine knot superfamily, homolog ( <i>Xenopus laevis</i> ). 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.
<b>Immunogen</b>	Purified recombinant fragment of human CER1 expressed in E. Coli.

## Additional Information

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<b>Gene ID</b>	9350
<b>Other Names</b>	Cerberus, Cerberus-related protein, DAN domain family member 4, CER1, DAND4
<b>Target/Specificity</b>	Purified recombinant fragment of human CER1 expressed in E. Coli.
<b>Dilution</b>	WB~~1:500~~2000 E~~N/A
<b>Format</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Storage</b>	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.
<b>Precautions</b>	CER1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CER1
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<b>Synonyms</b>	DAND4
<b>Function</b>	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).
<b>Cellular Location</b>	Secreted.

## References

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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

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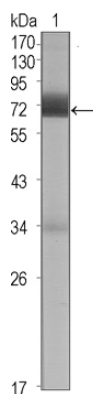


Figure 1: Western blot analysis using CER1 mouse mAb against CER1 (aa18-267)-hIgGFc transfected HEK293 cell lysate (1).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.