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CER1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6951a

Specification

CER1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O95813

CER1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9350

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6951a was selected from the N-term region of human CER1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CER1 Antibody (N-term) Blocking Peptide - 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 (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CER1 Antibody (N-term) Blocking Peptide - Images

CER1 Antibody (N-term) Blocking Peptide - Background

CER1 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.

CER1 Antibody (N-term) Blocking Peptide - References

Tang,P.L., et.al., J. Bone Miner. Res. 24 (6), 1013-1021 (2009)Swinkels,M.E., et.al., Am. J. Med. Genet. A 146A (11), 1430-1438 (2008)