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CER1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6951a

Specification

CER1 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	O95813
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**56-85**

CER1 Antibody (N-term) - Additional Information

Gene ID 9350

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

Target/Specificity
This CER1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-85 amino acids from the N-terminal region of human CER1.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CER1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CER1 Antibody (N-term) - 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).

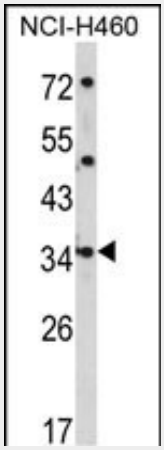
Cellular Location
Secreted.

CER1 Antibody (N-term) - Protocols

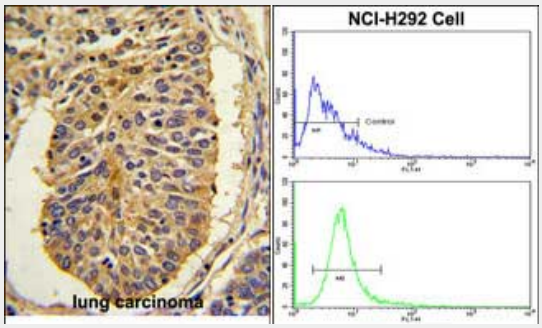
Provided below are standard protocols that you may find useful for product applications.

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

CER1 Antibody (N-term) - Images



Western blot analysis of CER1 Antibody (N-term) (Cat. #AP6951a) in NCI-H460 cell line lysates (35ug/lane). CER1 (arrow) was detected using the purified Pab.



(LEFT)Formalin-fixed and paraffin-embedded human lung carcinoma with CER1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. (RIGHT)Flow cytometric analysis of NCI-H292 cells using 0.025mg/ml of CER1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CER1 Antibody (N-term) - 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) - 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)