Best Tools for immunology Research

Cerberus Monoclonal Antibody

Catalog No :	YM0149
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	Cerberus
Fields :	>>Wnt signaling pathway
Gene Name :	CER1
Protein Name :	Cerberus
Human Gene Id :	9350
Human Swiss Prot No :	O95813
Mouse Swiss Prot No :	O55233
Immunogen :	Purified recombinant fragment of human Cerberus expressed in E. Coli.
Specificity :	Cerberus Monoclonal Antibody detects endogenous levels of Cerberus protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	30kD
Cell Pathway :	WNT;WNT-T CELL

P 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.

Background :

This gene encodes 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. [provided by RefSeq, Jul 2008],

Function :

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.,PTM:N-glycosylated.,sequence caution:Translated as Ser.,similarity:Belongs to the DAN family.,similarity:Contains 1 CTCK (C-terminal cystine knot-like) domain.,subunit:Forms monomers and predominantly dimers.,

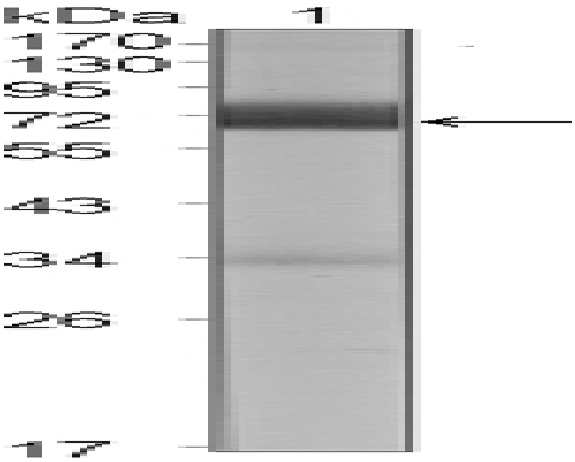
Subcellular Location :

Secreted .

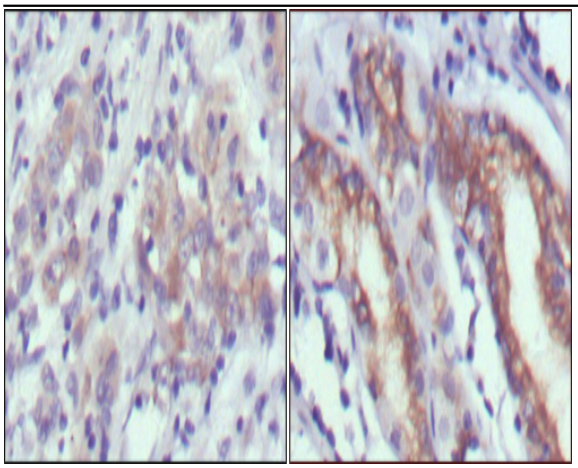
Expression :

Blood,PCR rescued clones,

Products Images



Western Blot analysis using Cerberus Monoclonal Antibody against CER1 (aa18-267)-hIgGFc transfected HEK293 cell lysate (1).



Immunohistochemistry analysis of paraffin-embedded human gastric cancer (left) and normal gastric tissues (right) with DAB staining using Cerberus Monoclonal Antibody.