10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CER1 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant CER1.
Catalog # AT1496a

Product Information

Application	WB, IP
Primary Accession	O95813
Other Accession	NM_005454
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3E12
Calculated MW	30084

Additional Information

Gene ID	9350
Other Names	Cerberus, Cerberus-related protein, DAN domain family member 4, CER1, DAND4
Target/Specificity	CER1 (NP_005445.1, 158 a.a. ~ 266 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CER1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

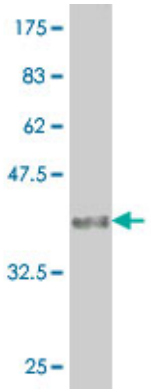
This gene encodes a cytokine member of the cysteine knot superfamily, characterized by nine conserved cysteines and a cysteine knot region. The cerberus-related cytokines, together with Dan and DRM/Gremlin, represent a group of bone morphogenetic protein (BMP) antagonists that can bind directly to BMPs and inhibit their activity.

References

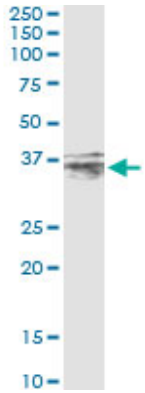
A gene-based risk score for lung cancer susceptibility in smokers and ex-smokers. Young RP, et al. Postgrad Med J, 2009 Oct. PMID 19789190.High-density association study of 383 candidate genes for volumetric BMD

at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.Lung cancer susceptibility model based on age, family history and genetic variants. Young RP, et al. PLoS One, 2009. PMID 19390575.Genome-wide haplotype association mapping in mice identifies a genetic variant in CER1 associated with BMD and fracture in southern Chinese women. Tang PL, et al. J Bone Miner Res, 2009 Jun. PMID 19113921.Clinical and cytogenetic characterization of 13 Dutch patients with deletion 9p syndrome: Delineation of the critical region for a consensus phenotype. Swinkels ME, et al. Am J Med Genet A, 2008 Jun 1. PMID 18452192.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



Immunoprecipitation of CER1 transfected lysate using anti-CER1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with CER1 MaxPab rabbit polyclonal antibody.