

CER1 Antibody (monoclonal) (M04)

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

Specification

CER1 Antibody (monoclonal) (M04) - Product Information

Application IP, WB **Primary Accession** 095813 Other Accession NM 005454 Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG2a Kappa Calculated MW 30084

CER1 Antibody (monoclonal) (M04) - 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

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.

CER1 Antibody (monoclonal) (M04) - Protocols

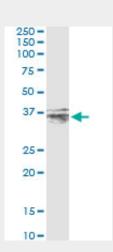
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

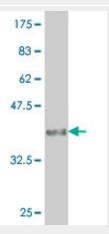


- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CER1 Antibody (monoclonal) (M04) - Images



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



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

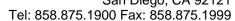
CER1 Antibody (monoclonal) (M04) - Background

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.

CER1 Antibody (monoclonal) (M04) - 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.