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PLEKHM1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PLEKHM1.
Catalog # AT3342a

Specification

PLEKHM1 Antibody (monoclonal) (M01) - Product Information

Application	**E**
Primary Accession	Q9Y4G2
Other Accession	BC064361
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**117443**

PLEKHM1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 9842

Other Names
Pleckstrin homology domain-containing family M member 1, PH domain-containing family M member 1, 162 kDa adapter protein, AP162, PLEKHM1, KIAA0356

Target/Specificity
PLEKHM1 (AAH64361, 957 a.a. ~ 1056 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

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
PLEKHM1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PLEKHM1 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

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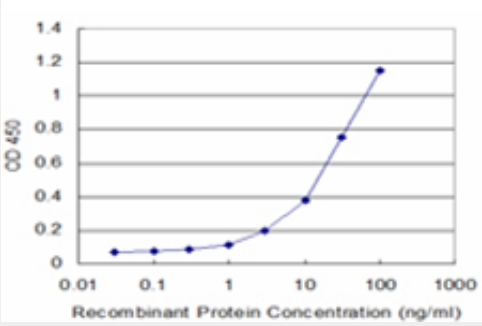
- Flow Cytomety
- Cell Culture

PLEKHM1 Antibody (monoclonal) (M01) - Images



Detection limit for recombinant GST tagged PLEKHM1 is approximately 1ng/ml as a capture antibody.

PLEKHM1 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is essential for bone resorption, and may play a critical role in vesicular transport in the osteoclast. Mutations in this gene are associated with autosomal recessive osteopetrosis type 6 (OPTB6). Alternatively spliced transcript variants have been found for this gene.

PLEKHM1 Antibody (monoclonal) (M01) - References

Genome-wide association study confirms SNPs in SNCA and the MAPT region as common risk factors for Parkinson disease. Edwards TL, et al. Ann Hum Genet, 2010 Mar. PMID 20070850.A new heterozygous mutation (R714C) of the osteopetrosis gene, pleckstrin homolog domain containing family M (with run domain) member 1 (PLEKHM1), impairs vesicular acidification and increases TRACP secretion in osteoclasts. Del Fattore A, et al. J Bone Miner Res, 2008 Mar. PMID 17997709.Involvement of PLEKHM1 in osteoclastic vesicular transport and osteopetrosis in incisors absent rats and humans. Van Wesenbeeck L, et al. J Clin Invest, 2007 Apr. PMID 17404618.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.