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

EXT1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant EXT1.
Catalog # AT1970a

Specification

EXT1 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q16394
Other Accession	BC001174
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a kappa**
Calculated MW	**86255**

EXT1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 2131

Other Names
Exostosin-1, Glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase, Multiple exostoses protein 1, Putative tumor suppressor protein EXT1, EXT1

Target/Specificity
EXT1 (AAH01174, 246 a.a. ~ 345 a.a) partial 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
EXT1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

EXT1 Antibody (monoclonal) (M01) - Protocols

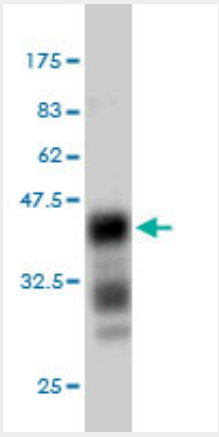
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

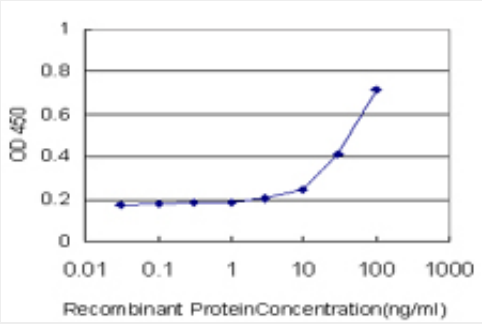
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

EXT1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



Detection limit for recombinant GST tagged EXT1 is approximately 3ng/ml as a capture antibody.

EXT1 Antibody (monoclonal) (M01) - Background

This gene encodes an endoplasmic reticulum-resident type II transmembrane glycosyltransferase involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type I form of multiple exostoses.

EXT1 Antibody (monoclonal) (M01) - References

Osteopoikilosis and multiple exostoses caused by novel mutations in LEMD3 and EXT1 genes respectively--coincidence within one family. Baasanjav S, et al. BMC Med Genet, 2010 Jul 9. PMID 20618940.Genetic models of osteochondroma onset and neoplastic progression: evidence for mechanisms alternative to EXT genes inactivation. Zuntini M, et al. Oncogene, 2010 Jul 1. PMID 20418910.A novel EXT1 gene mutation causing hereditary multiple exostoses in a Chinese pedigree. Li Y, et al. Pathology, 2010 Jan. PMID 20025490.Identification of 15 loci influencing height in a Korean population. Kim JJ, et al. J Hum Genet, 2010 Jan. PMID 19893584.Identification of four novel EXT1 and EXT2 mutations in five Chinese pedigrees with hereditary multiple exostoses. Li Y, et al. Genet Test Mol Biomarkers, 2009 Dec. PMID 19839753.