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LDB2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant LDB2.
Catalog # AT2684a

Specification

LDB2 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB**
Primary Accession	O43679
Other Accession	BC034019
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**42793**

LDB2 Antibody (monoclonal) (M02) - Additional Information

Gene ID 9079

Other Names
LIM domain-binding protein 2, LDB-2, Carboxyl-terminal LIM domain-binding protein 1, CLIM-1, LIM domain-binding factor CLIM1, LDB2, CLIM1

Target/Specificity
LDB2 (AAH34019, 1 a.a. ~ 373 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
LDB2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

LDB2 Antibody (monoclonal) (M02) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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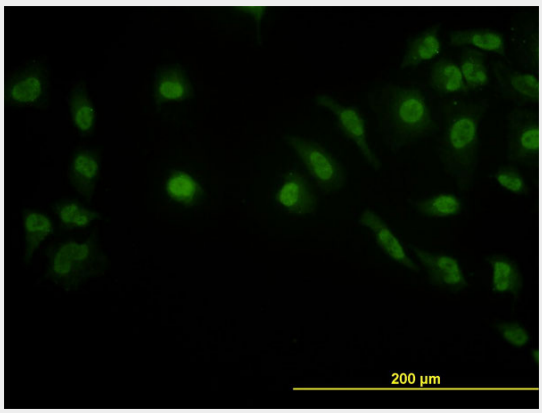
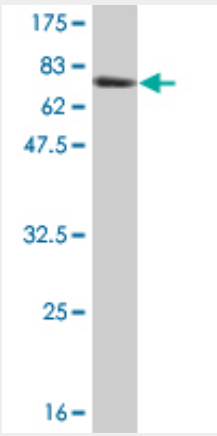
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

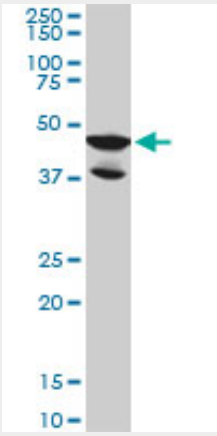
LDB2 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to LDB2 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (66.77 KDa) .



LDB2 monoclonal antibody (M02), clone 1A3. Western Blot analysis of LDB2 expression in HeLa (

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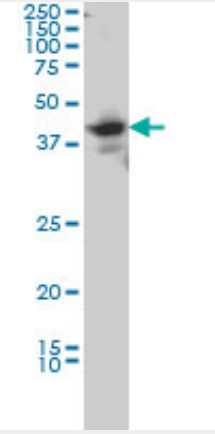

LDB2 monoclonal antibody (M02), clone 1A3 Western Blot analysis of LDB2 expression in IMR-32 ((Cat # AT2684a)

LDB2 Antibody (monoclonal) (M02) - Background

Genes encoding LIM domain-binding factors were initially isolated in a screen for proteins that physically interact with the LIM domains of nuclear proteins (summarized by Semina et al., 1998 [PubMed 9799849]). These proteins, such as the one encoded by the LDB2 gene, are capable of binding to a variety of transcription factors and are likely to function at enhancers to bring together diverse transcription factors and form higher order activation complexes or to block formation of such complexes (Jurata and Gill, 1997 [PubMed 9315627]). The family of genes encoding LIM domain-binding factors includes 2 members isolated from the mouse, Clim1 (Bach et al., 1997 [PubMed 9192866]) and Clim2/Lbd1/Nli (Agulnick et al., 1996 [PubMed 8918878]; Jurata et al., 1996 [PubMed 8876198]; Bach et al., 1997 [PubMed 9192866]) and their homologs cloned from the frog, chicken, and fly. The fact that LIM domain-binding factors are likely to be involved in the coordination of the transcriptional activity of many diverse factors might implicate them in human phenotypes characterized by multiple affected sites.

LDB2 Antibody (monoclonal) (M02) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Multi-organ expression profiling uncovers a gene module in coronary artery disease involving transendothelial migration of leukocytes and LIM domain binding 2: the Stockholm Atherosclerosis Gene Expression (STAGE) study. H?gg S, et al. PLoS Genet, 2009 Dec. PMID 19997623.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.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Functional proteomics mapping of a human signaling pathway. Colland F, et al. Genome Res, 2004 Jul. PMID 15231748.