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LEF1 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant LEF1.
Catalog # AT2693a

Specification

LEF1 Antibody (monoclonal) (M04) - Product Information

Application	**WB, IF, E**
Primary Accession	Q9UJU2
Other Accession	NM_016269
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**44201**

LEF1 Antibody (monoclonal) (M04) - Additional Information

Gene ID 51176

Other Names
Lymphoid enhancer-binding factor 1, LEF-1, T cell-specific transcription factor 1-alpha, TCF1-alpha, LEF1

Target/Specificity
LEF1 (NP_057353, 14 a.a. ~ 123 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IF~~1:50~200
E~~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
LEF1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

LEF1 Antibody (monoclonal) (M04) - Protocols

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

- Western Blot

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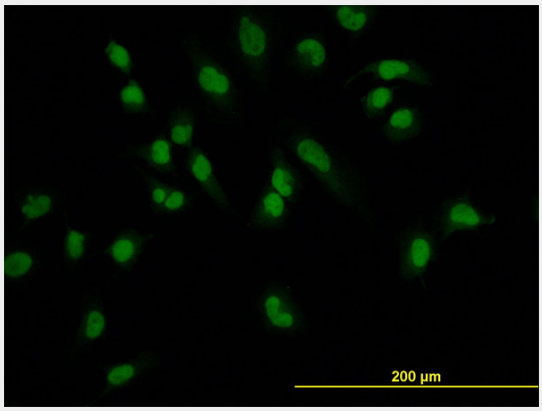
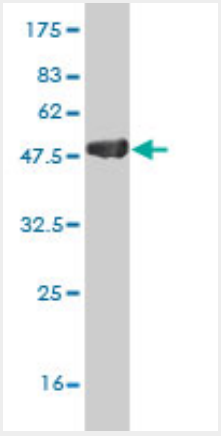
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

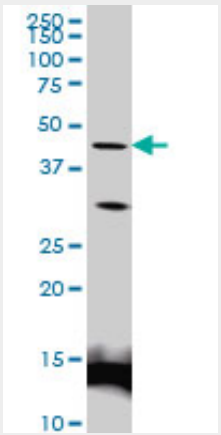
LEF1 Antibody (monoclonal) (M04) - Images



Immunofluorescence of monoclonal antibody to LEF1 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



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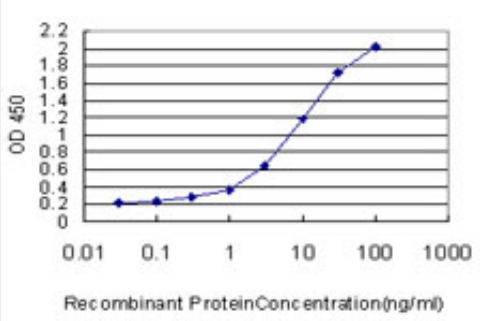
LEF1 monoclonal antibody (M04), clone 2C9 Western Blot analysis of LEF1 expression in Jurkat ((Cat # AT2693a)



Detection limit for recombinant GST tagged LEF1 is approximately 0.3ng/ml as a capture antibody.

LEF1 Antibody (monoclonal) (M04) - Background

This gene encodes a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. The protein encoded by this gene can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby conferring maximal enhancer activity. This transcription factor is involved in the Wnt signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. Mutations in this gene have been found in somatic sebaceous tumors. This gene has also been linked to other cancers, including androgen-independent prostate cancer. Alternative splicing results in multiple transcript variants.

LEF1 Antibody (monoclonal) (M04) - References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.Human CD1D gene expression is regulated by LEF-1 through distal promoter regulatory elements. Chen QY, et al. J Immunol, 2010 May 1. PMID 20363964.A systematic gene-based screen of chr4q22-q32 identifies association of a novel susceptibility gene, DKK2, with the quantitative trait of alcohol dependence symptom counts. Kalsi G, et al. Hum Mol Genet, 2010 Jun 15. PMID 20332099.Pathway-based approaches to imaging genetics association studies: Wnt signaling, GSK3beta substrates and major depression. Inkster B, et al. Neuroimage, 2010 Nov 15. PMID 20219685.Inactivation of LEF1 in T-cell acute lymphoblastic leukemia. Gutierrez A, et al. Blood, 2010 Apr 8. PMID 20124220.