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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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LEF-1transactivation domain. Mouse Monoclonal Antibody

Background

Lymphoid Enhancer Factor-1 (LEF-1) is an HMG 1/2-like DNA binding/bending protein and is a member of the LEF/TCF transcription factor family. There are four LEF/TCF family members in mammalian systems (LEF-1, TCF-1, TCF-3 and TCF-4), and orthologs to these factors have been identified in many different species. LEF/TCFs are downstream mediators of Wnt/Wingless signals. Wnt signaling drives cell polarity, cell fate and cell growth decisions in embryonic tissues and in post-natal tissues that continue to develop from mitotically active stem cell precursors. Misregulation of Wnt signaling is also implicated as a root cause of many different cancers, such as colon cancer, melanoma, breast cancer, prostate cancer and others. This antibody recognizes an epitope in amino acids 236-242 of LEF-1. This region is found within the transactivation domain of LEF-1. However, it is not present in some splice variants.

Ordering Information

Catalog Number
X1074M

Size
100 µg

Form
Unconjugated

Host/Clone
Mouse Clone 3A12

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
See vial for concentration

Isotype

Applications
Western Blot

Species Reactivity
Human

Accession Number
,

Immunogen

Hybridoma produced by the fusion of splenocytes from mice immunized with synthetic peptide corresponding to amino acids 236-242 of human LEF-1 and mouse myeloma cells.

Positive Control/Tissue Expression

Comments

Antibody detects amino acids 236-242 of human LEF-1. Epitope is missing in some splice variants. Optimal concentration should be evaluated by serial dilutions.

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PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Riese, J., et al., LEF-1, a nuclear factor coordinating signaling inputs from wingless and decapentaplegic. Cell 1997, 88, 777-787

2. Giese, K., et al. Functional analysis of DNA bending and unwinding by the high mobility group domain of LEF-1. Proc. Natl. Acad. Sci. USA 1997, 94, 12845-12850

3. Behrens, J., et al. Functional interaction of beta-catenin with the transcription factor LEF-1. Nature 1996, 382, 638 -642

4. Giese, K. and Grosschedl, R. LEF-1 contains an activation domain that stimulates transcription only in a specific context of factor-binding sites. EMBO J. 1993, 12, 4667-4676

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