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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



LEF-1 all isoforms. 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 256-308 of LEF-1. This region is between the transactivation domain and the HMG binding domain of LEF-1 and is conserved in all LEF-1 isoforms.

IMMUNOGEN

Recombinant full length LEF-1 protein

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody detects all LEF-1 isoforms by Western blot. Does not cross-react with TCF-1 or TCF-4. Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1076M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone 1C3.1D10

FORMULATION

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

CONCENTRATION

See vial for concentration

ISOTYPE

IgG1

APPLICATIONS

Western Blot

SPECIES REACTIVITY

Human

ACCESSION NUMBER

,

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. 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