

Product datasheet for AP05069PU-N

LEF1 Sheep Polyclonal Antibody

Product data:

OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1-5 μg/ml.
Reactivity:	Human
Host:	Sheep
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	A full length protein.
Specificity:	This antibody recognizes lymphoid enhancer factor-1 (LEF-1). Reacts with TCF-1, TCF-3 and TCF-4.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction (0.2µm sterile filtered) Preservative: 0.08% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulfate Precipitation
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lymphoid enhancer binding factor 1
Database Link:	<u>Entrez Gene 51176 Human</u> <u>Q9UJU2</u>



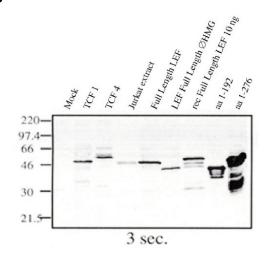
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GRIGENE LEF1 Sheep Polyclonal Antibody – AP05069PU-N

Background:Lymphoid Enhancer Factor -1 is a transcription factor of the High Mobility Group of DNA
binding proteins. It is one member of a family of four proteins referred to as LEF/TCF
transcription factors (LEF-1, TCF-1, TCF-3 and TCF-4). These factors play a crucial role in
WNT/WIngless signaling, a signal transduction cascade that directs cell differentiation.
Aberrant activation of the WNT/Wingless pathway is also a root cause in the genesis of
certain cancers such as colon cancer, melanoma and breast cancer.LEF-1 is expressed during
development in many different differentiating tissues, and in a few tissues after birth. LEF-1
expression is required for proper development of breast, teeth, hair, whiskers and the
trigeminal nerve. It is redundant with TCF-1 (for T Cell Factor-1) for correct development of T
lymphocytes in the thymus. LEF-1 is a 399 amino acid protein that appears as a cluster of
[polypeptides ranging in size between 55-57 kD on SDS-PAGE analysis. Alternative splice
forms of LEF-1 and other LEF/TCF family members have been identified, but the expression
pattern and relative abundance of these alternative forms have not been well studied. They
can appear on westerns as smaller immunoreactive forms.

Synonyms: Lymphoid enhancer-binding factor 1, LEF-1, T cell-specific transcription factor 1-alpha, TCF1alpha

Product images:



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