

Datasheet for ABIN2785833
anti-LIF antibody (N-Term)



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1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	LIF
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Sheep, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIF antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human LIF
Sequence:	KVLAAGVVPL LLVLHWKHGA GSPLPITPVN ATCAIRHPCH NNLMNQIRSQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against LIF. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	LIF
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Target Details

Alternative Name:	LIF (LIF Products)
Background:	<p>LIF is a pleiotropic cytokine with roles in several different systems. It is involved in the induction of hematopoietic differentiation in normal and myeloid leukemia cells, induction of neuronal cell differentiation, regulator of mesenchymal to epithelial conversion during kidney development, and may also have a role in immune tolerance at the maternal-fetal interface. Leukaemia inhibitory factor is a cytokine that induces macrophage differentiation. Neurotransmitters and neuropeptides, well known for their role in the communication between neurons, are also capable of activating monocytes and macrophages and inducing chemotaxis in immune cells. LIF signals through different receptors and transcription factors. LIF in conjunction with BMP2 acts in synergy on primary fetal neural progenitor cells to induce astrocytes. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: CDF, D-FACTOR, HILDA, DIA</p> <p>Protein Interaction Partner: IL6ST, LIFR,</p> <p>Protein Size: 202</p>
Molecular Weight:	22 kDa
Gene ID:	3976
NCBI Accession:	NM_002309 , NP_002300
UniProt:	P15018
Pathways:	JAK-STAT Signaling , Positive Regulation of Peptide Hormone Secretion , Negative Regulation of Hormone Secretion , Stem Cell Maintenance , Growth Factor Binding

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 202 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Muntz, Malpass, McGonigle, Robertson, Weiden: "Phase 2 study of intraperitoneal topotecan as consolidation chemotherapy in ovarian and primary peritoneal carcinoma." in: Cancer , Vol. 113, Issue 3, pp. 490-6, (2008) (PubMed).
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Images



Western Blotting
Image 1. WB Suggested Anti-LIF Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Muscle