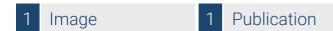


Datasheet for ABIN2785833

anti-LIF antibody (N-Term)





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

Target Details

Alternative Name:	LIF (LIF Products)
Background:	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 ce
	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.
	Alias Symbols: CDF, D-FACTOR, HILDA, DIA
	Protein Interaction Partner: IL6ST, LIFR,
	Protein Size: 202
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

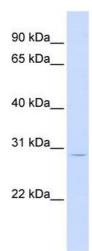
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1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

Images



Western Blotting

Image 1. WB Suggested Anti-LIF Antibody Titration: 0.2-1

ug/ml

ELISA Titer: 1:62500

Positive Control: Human Muscle