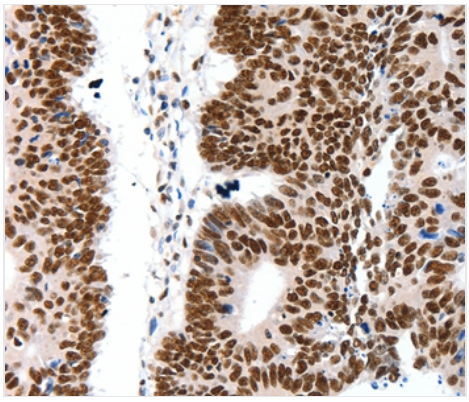
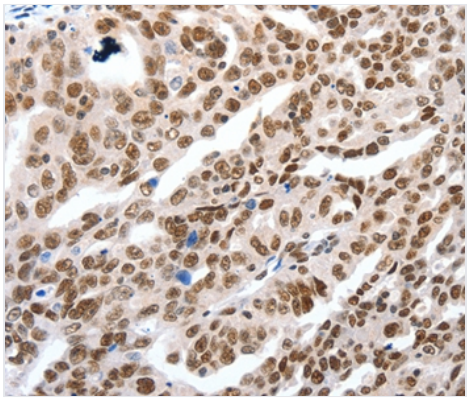
LIFR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LIFR, Polyclonal Antibody
Full Product Name	LIFR Antibody
Product Gene Name	anti-LIFR antibody
Product Synonym Names	SWS; SJS2; STWS; CD118; LIF-R
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	0.5 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total LIFR protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	– Da
OMIM	151443
3D Structure	ModBase 3D Structure for P42702
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human leukemia inhibitory factor receptor alpha
Target Name	LIFR
Product Categories/Family for anti-LIFR antibody	Total protein Ab
Applications Tested/Suitable for anti-LIFR antibody	Immunohistochemistry (IHC)
Application Notes for anti-LIFR antibody	Immunohistochemistry: 1:25-1:100
Related Product Information for anti-LIFR antibody	This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, t(5;8)(p13;q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland. Multiple splice variants encoding the same protein have been found for this gene.
Other Notes	Small volumes of anti-LIFR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for LIFR purchase	MBS9413303 is an antibody targeting LIFR. Also known as LIFR Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-LIFR antibody
Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using at dilution 1/15.



Immunohistochemistry (IHC) of anti-LIFR antibody
Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using at dilution 1/15.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LIFR. It may not necessarily be applicable to this product.

NCBI GI #	189083786
NCBI GeneID	3977
NCBI Accession #	NP_001121143.1
UniProt Primary Accession #	P42702
UniProt Secondary Accession #	Q6LCD9
UniProt Related Accession #	P42702
GenBank Nucleotide #	NM_001127671.1
NCBI Official Full Name	leukemia inhibitory factor receptor
NCBI Official Synonym Full Names	leukemia inhibitory factor receptor alpha
NCBI Official Symbol	LIFR
NCBI Official Synonym Symbols	SWS; SJS2; STWS; CD118; LIF-R
UniProt Protein Name	Leukemia inhibitory factor receptor
UniProt Synonym Protein Names	CD_antigen: CD118
Protein Family	Leukemia inhibitory factor receptor
UniProt Gene Name	LIFR
UniProt Synonym Gene Names	LIF receptor; LIF-R
UniProt Entry Name	LIFR_HUMAN
NCBI Protein Information	leukemia inhibitory factor receptor

UniProt Comments for LIFR	LIFR: Signal-transducing molecule. May have a common pathway with IL6ST. The soluble form inhibits the biological activity of LIF by blocking its binding to receptors on target cells. Defects in LIFR are the cause of Stueve-Wiedemann syndrome (SWS); also knowns as Schwartz-Jampel syndrome type 2 (SJS2). SWS is a severe autosomal recessive condition and belongs to the group of the bent-bone dysplasias. SWS is characterized by bowing of the lower limbs, with internal cortical thickening, wide metaphyses with abnormal trabecular pattern, and camptodactyly. Additional features include feeding and swallowing difficulties, as well as respiratory distress and hyperthermic episodes, which cause death in the first months of life. The rare survivors develop progressive scoliosis, spontaneous fractures, bowing of the lower limbs, with prominent joints and dysautonomia symptoms, including temperature instability, absent corneal and patellar reflexes, and smooth tongue. A chromosomal aberration involving LIFR is found in salivary gland pleiomorphic adenomas, the most common benign epithelial tumors of the salivary gland. Translocation t(5;8)(p13;q12) with PLAG1. Belongs to the type I cytokine receptor family. Type 2 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: 5p13-p12 Cellular Component: integral to plasma membrane; receptor complex Molecular Function: oncostatin-M receptor activity; leukemia inhibitory factor receptor activity; growth factor binding; ciliary neurotrophic factor receptor activity; ciliary neurotrophic factor receptor binding Biological Process: cell surface receptor linked signal transduction; cytokine and chemokine mediated signaling pathway; leukemia inhibitory factor signaling pathway; response to cytokine stimulus; positive regulation of cell proliferation Disease: Stuve-wiedemann Syndrome
Research Articles on LIFR	**1.** Studied the association of tubal pregnancy with leukemia inhibitory factor (LIF) and leukemia inhibitory factor receptor (LIFR) expression in oviduct tissues.
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