



Anti-Lifr polyclonal antibody (CPB-1691RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Lifr Polyclonal Antibody
Antigen Description	Mouse Leukemia inhibitory factor receptor, also known as LIF receptor, CD118 and LIFR, is single-pass type I membrane protein which belongs to the type I cytokine receptor family and Type 2 subfamily. LIFR contains six fibronectin type-III domains. LIFR is a signal-transducing molecule. It may have a common pathway with IL6ST. LIFR is the receptor for leukemia inhibitory factor (LIF), a pleiotropic cytokine affecting the differentiation, survival, and proliferation of a wide variety of cells in the adult and the embryo. The soluble form of LIFR inhibits the biological activity of LIF by blocking its binding to receptors on target cells. LIF action appears to be mediated through a high-affinity heterodimeric receptor complex consisting of two membrane glycoproteins: an μ subunit that binds LIF with low affinity and the 130 kDa (gp130) subunit that does not bind LIF by itself, but is required for high-affinity binding of LIF by the complex.
Specificity	Mouse LIFR / CD118
Target	Lifr
Immunogen	Recombinant mouse LIFR protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	ELISA, WB
Format	0.2 μ m filtered solution in PBS with 5% trehalose
Size	200 μ g

Preservative	None
Storage	This antibody can be stored at 2μ-8μ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20μ to -70μ. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Lifr leukemia inhibitory factor receptor [Mus musculus]
Official Symbol	Lifr
Synonyms	LIFR; leukemia inhibitory factor receptor; LIF-R; LIF receptor; D-factor/LIF receptor; leukemia inhibitory factor receptor alpha chain; soluble differentiation-stimulating factor receptor; LIF; AW061234; A230075M04Rik;
Entrez Gene ID	16880
Protein Refseq	NP_001106857
Pathway	Adipogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; ESC Pluripotency Pathways, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; PluriNetWork, organism-specific biosystem;
Function	ciliary neurotrophic factor receptor binding; cytokine binding; cytokine receptor activity; growth factor binding; leukemia inhibitory factor receptor activity; protein binding; protein heterodimerization activity; receptor activity;