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LIFR Polyclonal Antibody

Catalog # AP73787

Product Information

Application	WB, E, IHC-P
Primary Accession	P42702
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	123743

Additional Information

Gene ID	3977
Other Names	LIFR; Leukemia inhibitory factor receptor; LIF receptor; LIF-R; CD118
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. E~~N/A IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

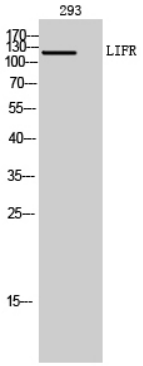
Name	LIFR (HGNC:6597)
Function	[Isoform 1]: Functions as a membrane-bound signal-transducing subunit either in complex with IL6ST/gp130 or as part of the ciliary neurotrophic factor receptor (CNTFR) complex composed by CNTFR, IL6ST/gp130 and LIFR (PubMed:11285233, PubMed:11294841, PubMed:1542794, PubMed:39532904, PubMed:9030543, PubMed:9188471). Signal transmission is initiated either by binding directly to cytokines, such as OSM or LIF or CTF1, or through the binding of other cytokines, like CNTF, CLCF1 or the heterodimeric complex CRLF1-CLCF1 to the non-signaling receptor CNTFR; ligand binding induces heterodimerization of IL6ST/gp130 and LIFR which activates JAK tyrosine kinases bound to their intracellular domains (PubMed:11285233, PubMed:11294841, PubMed:1542794, PubMed:1915266, PubMed:9030543, PubMed:9188471). These kinases subsequently phosphorylate the homodimer or heterodimer form of IL6ST/gp130 (PubMed:11285233, PubMed:11294841, PubMed:9030543). The tyrosine phosphorylated signaling receptors serve in turn as docking sites for recruitment and activation of signal transducer and activators of transcription (STATs) (PubMed:11285233, PubMed:11294841, PubMed:9030543, PubMed:9188471). Engages sites 3 of ligands cytokines (PubMed:36930708).

Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein

Background

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.

Images



Western Blot analysis of 293 cells using LIFR Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.