



Anti-LIFR (aa 45-154) polyclonal antibody (DPAB-DC1850)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	LIFR (NP_002301, 45 a.a. ~ 154 a.a) partial recombinant protein with GST tag. The sequence is QKKGAPHDLKCVTNLQVWNC SWKAPSGTGRGTDYEVCIENRSRSCYQLEKTSIKIPALS HGDYEITINSLHDFGSSTSKFTLNEQNVSLIPDTPEILNLSADFSTSTLY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	LIFR leukemia inhibitory factor receptor alpha [Homo sapiens (human)]
Official Symbol	LIFR
Synonyms	LIFR; leukemia inhibitory factor receptor alpha; SWS; SJS2; STWS; CD118; LIF-R; leukemia inhibitory factor receptor; LIF receptor; CD118 antigen;
Entrez Gene ID	3977
Protein Refseq	NP_001121143
UniProt ID	A8K1Z4
Chromosome Location	5p13-p12
Pathway	Adipogenesis; Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Physiological and Pathological Hypertrophy of the Heart
Function	contributes_to ciliary neurotrophic factor receptor activity; ciliary neurotrophic factor receptor binding; growth factor binding; leukemia inhibitory factor receptor activity