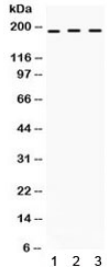
LIFR Antibody / LIF Receptor (R32098)

Catalog No.	Formulation	Size
R32098	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P42702
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This LIFR antibody is available for research use only.



Western blot testing of human 1) SW620, 2) COLO320 and 3) HepG2 cell lysate with LIFR antibody. Expected/observed molecular weight ~124/190 kDa (unmodified/glycosylated).

Description

LIFR also known as CD118 (Cluster of Differentiation 118), is a subunit of a receptor for leukemia inhibitory factor. 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.

Application Notes

Optimal dilution of the LIFR antibody should be determined by the researcher.

Immunogen

Amino acids EWIKETFYPDIPNPENCKALQFQKSVCEGSSALKTLE of human LIFR were used as the immunogen for the LIFR antibody.

Storage

After reconstitution, the LIFR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

References (1)