For Research Use Only

LIFR Polyclonal antibody

Catalog Number:22779-1-AP Featured Product 18 Publications

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Basic Information

Catalog Number:
22779-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18742

GenBank Accession Number:
BC153096

GeneID (NCBI):
3977

UNIPROT ID:
P42702

Full Name:
leukemia inhibitory factor receptor alpha

Calculated MW:
1097 aa, 124 kDa

Observed MW:
190 kDa

Purification Method:
Antigen Affinity purified

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF-P 1:50-1:500
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human skeletal muscle tissue, mouse skeletal muscle tissue

IP : mouse skeletal muscle tissue,

IHC : human skeletal muscle tissue, human kidney tissue, human placenta tissue, mouse cerebellum tissue

IF-P : mouse cerebellum tissue,

IF/ICC : HeLa cells,

Background Information

LIFR, also known as CD118, is a subunit of a receptor for leukemia inhibitory factor (LIF). LIF is a pleiotropic cytokine of the interleukin-6 family which affects the differentiation, survival, and proliferation of a wide variety of cells in the adult and the embryo. LIFR is the low-affinity binding chain that, together with the high-affinity converter subunit gp130, forms a high-affinity receptor complex that mediates the action of LIF. The high-affinity complex also binds a related cytokine, oncostatin M (PMID: 8999038). LIFR has also been identified as a breast cancer metastasis suppressor that functions through the HIPPO-YAP pathway (PMID: 23001183).

Notable Publications

Author	Pubmed ID	Journal	Application
Yuta Kurashina	31701022	Commun Biol	WB
Ming-Ying Ling	36326546	Arch Biochem Biophys	IHC
Chikahiro Imashiro	29993416	IEEE Trans Biomed Eng	WB

Storage

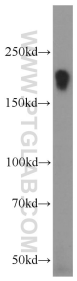
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

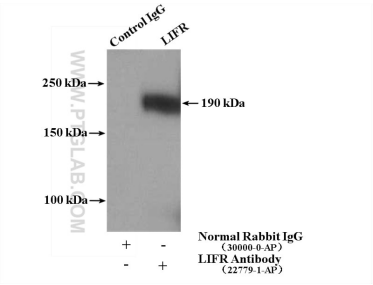
Selected Validation Data



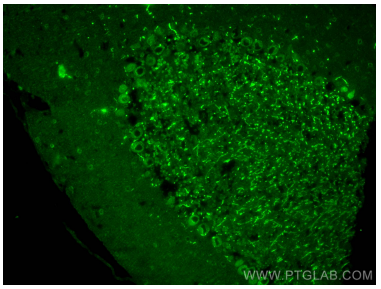
human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 22779-1-AP (LIFR antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 22779-1-AP (LIFR Antibody) at dilution of 1:200 (under 10x lens).

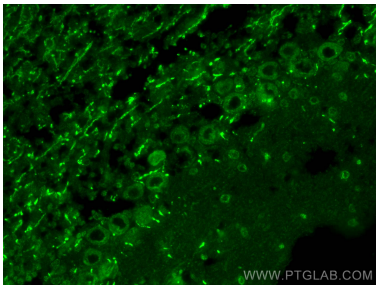
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 22779-1-AP (LIFR Antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-LIFR (IP:22779-1-AP, 4ug; Detection:22779-1-AP 1:1000) with mouse skeletal muscle tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using LIFR antibody (22779-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



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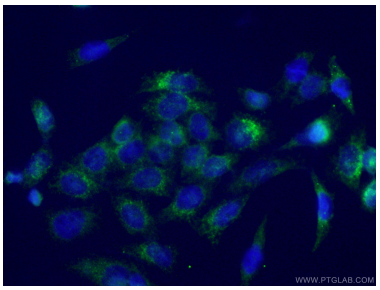

Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 22779-1-AP (LIFR antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).