

For Research Use Only

FHL1 Polyclonal antibody

Catalog Number: 10991-1-AP

Featured Product

26 Publications



Basic Information

Catalog Number:
10991-1-AP

Size:
150ul, Concentration: 450 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1448

GenBank Accession Number:
BC010998

GeneID (NCBI):
2273

Full Name:
four and a half LIM domains 1

Calculated MW:
32 kDa

Observed MW:
32 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:8000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200

Applications

Tested Applications:
IHC, IP, WB, ELISA

Cited Applications:
ChIP, CoIP, IF, IHC, IP, WB

Species Specificity:
human, mouse, zebrafish, rat

Cited Species:
human, mouse, zebrafish

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: mouse skeletal muscle tissue, human brain tissue, mouse colon tissue, rat skeletal muscle tissue

IP: mouse skeletal muscle tissue,

IHC: human ovary tumor tissue,

Background Information

Four-and-a-half LIM domains 1 (FHL1), a member of the FHL protein family, which composed of FHL 1, 2, 3, 4 and ACT (activator of CREM), and characterized by an N-terminal half LIM domain followed by four complete LIM domains. FHL1 may contribute to sarcomere synthesis, assembly and biomechanical stress sensing. FHL1 is also a methylation-silenced tumor-suppressor gene on chromosome X in gastrointestinal cancers, which contributes to the formation of an epigenetic field for cancerization. FHL1(10991-1-AP) is highly expressed in skeletal muscle and to a lesser extent in heart, placenta, ovary, prostate, testis, small intestine, colon and spleen. This is a rabbit polyclonal antibody raised against full length of human FHL1.

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Wang	25272045	PLoS One	WB
San-Zhong Li	32382330	Oncol Lett	WB
Jun-Long Zhao	24657059	Gene	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

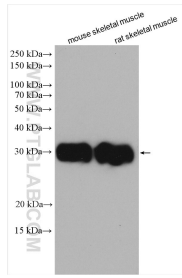
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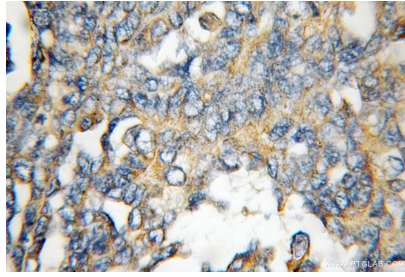
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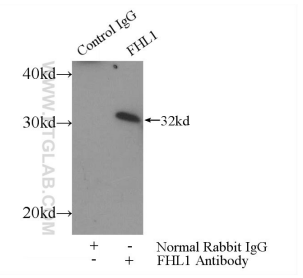
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10991-1-AP (FHL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10991-1-AP (FHL1 antibody) at dilution of 1:100 (under 10x lens).



IP Result of anti-FHL1 (IP:10991-1-AP, 3ug; Detection:10991-1-AP 1:700) with mouse skeletal muscle tissue lysate 3600ug.