For Research Use Only

Flightless I Monoclonal antibody

Catalog Number:67039-1-Ig 2 Publications

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Basic Information

Catalog Number:
67039-1-Ig

Size:
150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG26865

GenBank Accession Number:
BC025300

GeneID (NCBI):
2314

UNIPROT ID:
Q13045

Full Name:
flightless I homolog (Drosophila)

Calculated MW:
1269 aa, 145 kDa

Observed MW:
145-150 kDa

Purification Method:
Protein A purification

CloneNo.:
2F9C8

Recommended Dilutions:
WB 1:5000-1:20000
IHC 1:1000-1:4000

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB

Species Specificity:
Human, Mouse, Rat

Cited Species:
human

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 : HeLa cells, HEK-293 cells, A549 cells, NCI-H1299 cells, Jurkat cells, NIH/3T3 cells, HSC-T6 cells, HepG2 cells, MCF-7 cells, NCCIT cells, HT-1080 cells, LNCaP cells

IHC : human colon cancer tissue, human breast cancer tissue

Background Information

Flightless I (Flil) is the most evolutionarily conserved member of the gelsolin superfamily of proteins which are key regulators of actin filament assembly and turnover. Flil comprises an N-terminal leucine-rich repeat (LRR) domain which is not present in other gelsolin family members, and the LRR domain may enable interactions between Flil and other molecules involved in signal transduction, thereby spatially integrating signaling and actin remodeling functions. This protein was originally found in Drosophila and participates in the embryonic development, while mammalian Flil protein was involved in the regulation of wound repair,skin barrier development. Studies recently demonstrated that Flil protein associated with colorectal cancer, hepatocellular and prostate cancer (PMID:30091651; 28498392).

Notable Publications

Author	Pubmed ID	Journal	Application
Dou-Dou Li	32368399	Am J Cancer Res	WB
Megan L Norris	36859340	Genes Dev	WB

Storage

Storage:
Store at -20°C.
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
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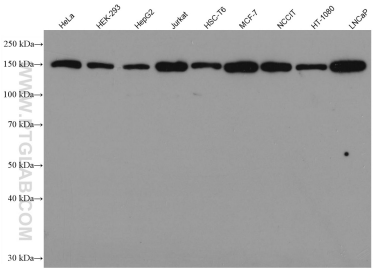
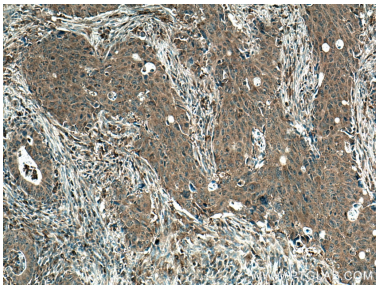
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67039-1-Ig (FLII antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67039-1-Ig (FLII antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).