

For Research Use Only

Flightless I Monoclonal antibody, PBS Only



Catalog Number: 67039-1-PBS

Basic Information

Catalog Number: 67039-1-PBS	GenBank Accession Number: BC025300	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2314	CloneNo.: 2F9C8
Source: Mouse	UNIPROT ID: Q13045	
Isotype: IgG2a	Full Name: flightless I homolog (Drosophila)	
Immunogen Catalog Number: AG26865	Calculated MW: 1269 aa, 145 kDa	
	Observed MW: 145-150 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

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).

Storage

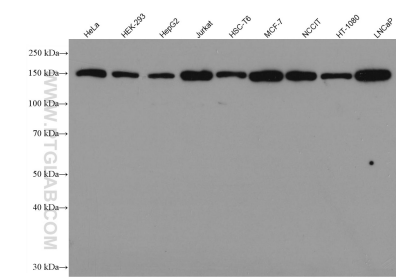
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

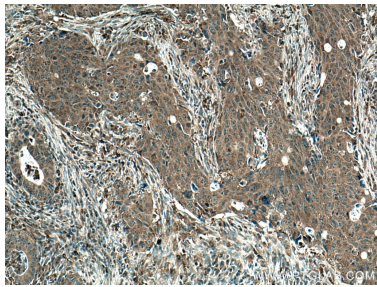
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



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. This data was developed using the same antibody clone with 67039-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67039-1-PBS in a different storage buffer formulation.