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## anti-FLNB antibody (N-Term)





Publication



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Quantity:	100 μL
Target:	FLNB
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FLNB antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

#### **Product Details**

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human Filamin B. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to Filamin B (filamin B, beta) Filamin B antibody [N1], N-term
Purification:	Affinity purified by Protein A.
Grade:	KO Validated

### Target Details

Target:	FLNB	
Alternative Name:	filamin B (FLNB Products)	
Background:	This gene encodes a member of the filamin family. The encoded protein interacts with	
	glycoprotein Ib alpha as part of the process to repair vascular injuries. The platelet glycoprotein	
	Ib complex includes glycoprotein Ib alpha, and it binds the actin cytoskeleton. Mutations in this	
	gene have been found in several conditions: atelosteogenesis type 1 and type 3, boomerang	
	dysplasia, autosomal dominant Larsen syndrome, and spondylocarpotarsal synostosis	
	syndrome. Multiple alternatively spliced transcript variants that encode different protein	
	isoforms have been described for this gene.	
	Cellular Localization: Isoform 1: Cytoplasm , cell cortex , Cytoplasm , cytoskeleton , myofibril ,	
	sarcomere , Z-disk , Isoform 2: Cytoplasm , Isoform 3: Cytoplasm , Isoform 6: Cytoplasm	
Molecular Weight:	278 kDa	
Gene ID:	2317	
UniProt:	075369	
Pathways:	Maintenance of Protein Location	
Application Details		
Application Notes:	WB: 1:500-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations	
	should be determined by the researcher. Not tested in other applications.	
Comment:	Positive Control: U87-MG , NIH-3T3 , 293T , A431 , HeLa , HepG2	
	Validation: KO/KD	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	10 mg/mL	
Buffer:	1XPBS ( pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal	
Preservative:	Thimerosal (Merthiolate)	
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE	
	which should be handled by trained staff only.	

#### Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Publications	
Product cited in:	Manzione, Rombouts, Steklov, Pasquali, Sablina, Gelens, Qian, Bollen: "Co-regulation of the

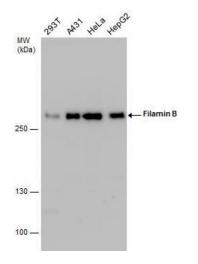
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Cohn, Feldman, Weil, Kublanovsky, Levy: "Chromatin associated SETD3 negatively regulates VEGF expression." in: **Scientific reports**, Vol. 6, pp. 37115, (2018) (PubMed).

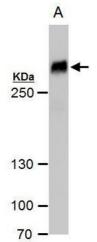
Xie, Wu, Mack, Yang, Kim, Hubert, Flavahan, Chu, Bao, Rich: "CDC20 maintains tumor initiating cells." in: **Oncotarget**, Vol. 6, Issue 15, pp. 13241-54, (2016) (PubMed).

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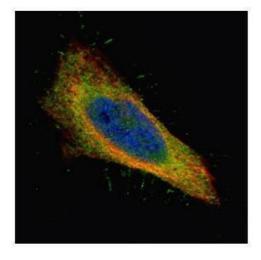
#### **Western Blotting**

**Image 1.** WB Image Filamin B antibody detects Filamin B protein by western blot analysis. Various whole cell extracts (30  $\mu$ g) were separated by 5% SDS-PAGE, and the membrane was blotted with Filamin B antibody, diluted at a dilution of 1:1000.



#### **Western Blotting**

**Image 2.** WB Image Filamin B antibody [N1], N-term detects Filamin B protein by western blot analysis. A. 30  $\mu$ g NIH-3T3 whole cell extract 5 % SDS-PAGE Filamin B antibody [N1], N-term , dilution: 1:1000



#### **Immunofluorescence**

**Image 3.** ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using Filamin B, antibody (Green) at 1:500 dilution. Alphatubulin filaments were labeled with (Red) at 1:2500.

Please check the product details page for more images. Overall 5 images are available for ABIN2854971.