

For Research Use Only

CAPZB Monoclonal antibody

Catalog Number: 68190-1-Ig



Basic Information

Catalog Number: 68190-1-Ig	GenBank Accession Number: BC109241	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 832	CloneNo.: 1F9G2
Source: Mouse	Full Name: capping protein (actin filament) muscle Z-line, beta	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:1000-1:4000
Isotype: IgG2a	Calculated MW: 277 aa, 31 kDa	
Immunogen Catalog Number: AG19373	Observed MW: 31 kDa	

Applications

Tested Applications:
FC, IF, IHC, WB, ELISA

Species Specificity:
Human, mouse, rat

**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: A431 cells, HeLa cells, HEK-293 cells, HepG2 cells,
Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells,
RAW 264.7 cells

IHC: mouse testis tissue,

IF: A431 cells,

Background Information

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

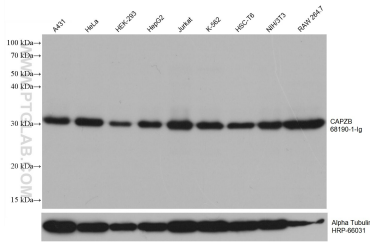
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

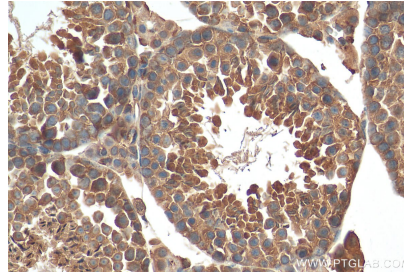
E: proteintech@ptglab.com
W: ptglab.com

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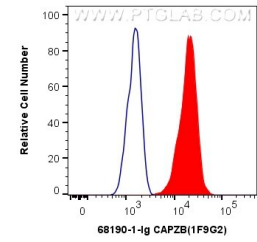
Selected Validation Data



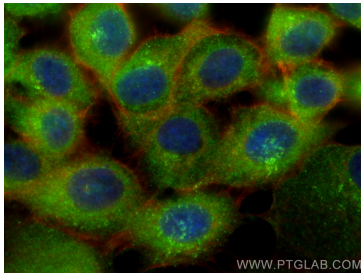
Various lysates were subjected to SDS PAGE followed by western blot with 68190-1-Ig (CAPZB antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 68190-1-Ig (CAPZB antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 Jurkat cells were intracellularly stained with 0.4 ug Anti-Human CAPZB (68190-1-Ig, Clone:1F9G2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using CAPZB antibody (68190-1-Ig, Clone: 1F9G2) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).