

CAPZB Monoclonal antibody

Catalog Number: 68190-1-Ig

Basic Information

Catalog Number:

68190-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG19373

GenBank Accession Number:

BC109241

GeneID (NCBI):

832

UNIPROT ID:

P47756

Full Name:

capping protein (actin filament)
muscle Z-line, beta

Calculated MW:

277 aa, 31 kDa

Observed MW:

31 kDa

Purification Method:

Protein A purification

CloneNo.:

1F9G2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:4000

IF/ICC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, ELISA, IF/ICC, FC (Intra)

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/ICC : A431 cells,

Background Information

Storage

Storage:

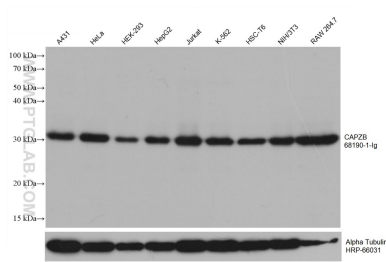
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

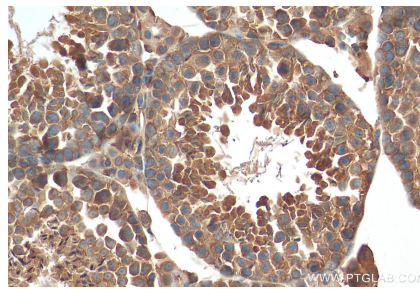
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

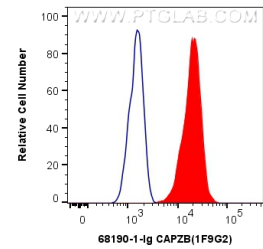
Selected Validation Data



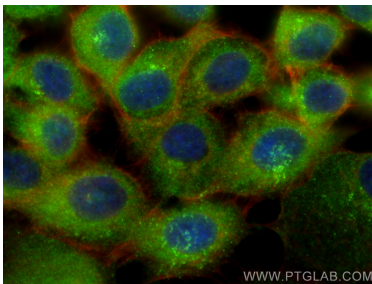
Various lysates were subjected to SDS PAGE followed by western blot with 68190-1-Ig (CAPZB antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



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).



1X10⁶ 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).