

For Research Use Only

# Alpha Tubulin Recombinant antibody, PBS Only



Catalog Number: 80762-1-PBS

Featured Product

## Basic Information

Catalog Number:

80762-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18034

GenBank Accession Number:

BC009314

GeneID (NCBI):

10376

UNIPROT ID:

P68363

Full Name:

tubulin, alpha 1b

Calculated MW:

50 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

1G7

## Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

Human, mouse, rat

## Background Information

There are five tubulins in human cells: alpha, beta, gamma, delta, and epsilon. Tubulins are conserved across species. They form heterodimers, which multimerize to form a microtubule filament. An alpha and beta tubulin heterodimer is the basic structural unit of microtubules. The heterodimer does not come apart once formed. The alpha and beta tubulins, which are each about 55 kDa MW, are homologous but not identical. Alpha tubulin is useful for scientists across fields as an internal control due to its high, ubiquitous expression pattern.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

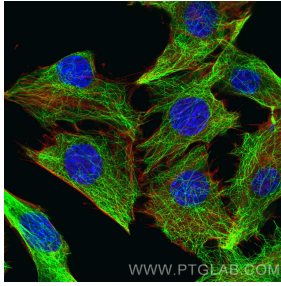
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

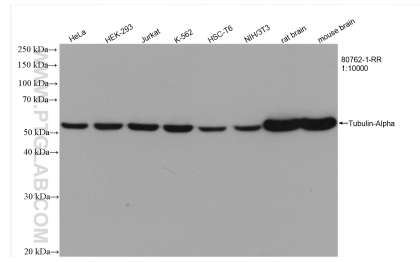
W: [ptgcn.com](http://ptgcn.com)

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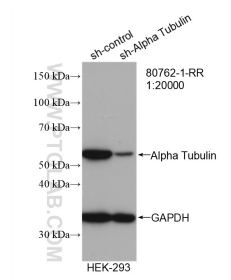
## Selected Validation Data



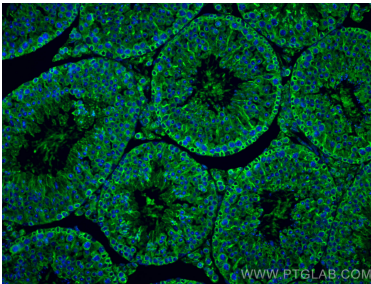
Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using Alpha Tubulin antibody (80762-1-RR, Clone: 1G7) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 80762-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 80762-1-RR (Tubulin-Alpha antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80762-1-PBS in a different storage buffer formulation.



WB result of Alpha Tubulin antibody (80762-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Alpha Tubulin transfected HEK-293 cells. This data was developed using the same antibody clone with 80762-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using Alpha Tubulin antibody (80762-1-RR, Clone: 1G7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 80762-1-PBS in a different storage buffer formulation.