For Research Use Only

Alpha Tubulin Monoclonal antibody

Catalog Number:66031-1-lg Featured Product 1255 Publications

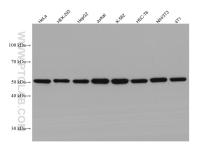


| Basic Information | Catalog Number: 66031-1-lg | GenBank Accession Number: BC009314 | | Purification Method: Protein A purification | |
|------------------------|---|--|---|---|-------------------|
| | Size: | GenelD (NCBI): | | CloneNo.: | |
| | 150ul , Concentration: 1000 ug/ml by | | | 1E4C11 | |
| | Nanodrop; | UNIPROT ID: | | Recommended Dilutions: | |
| | Source: Mouse Isotype: IgG2b Immunogen Catalog Number: AG18034 | P68363 Full Name: | | WB: 1:20000-1:100000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total | |
| | | | | | tubulin, alpha 1b |
| | | Calculated MW: | | IF/ICC: 1:500-1:2000 | |
| | | 50 kDa | | FC (Intra): 0.40 ug per 10^6 cells in a | |
| | | Observed MW: 50-55 kDa | | 100 µl suspension | |
| | | Applications | Tested Applications: | | Positive Co |
| Αμριτατιοπο | WB, IHC, IF/ICC, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, SW - Size | | WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat | | |
| | | | cells, K-562 cells | cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells | |
| | Species Specificity: human, mouse, rat, canine Cited Species: human, mouse, rat, rabbit, monkey, chicken, zebrafish, sheep, goat, tick | | IP : HeLa ce | IP : HeLa cells, | |
| | | | | IHC : human tonsillitis tissue, human liver cancer tissue, human colon cancer tissue | |
| | | | IF/ICC : HeLa cells, HepG2 cells, MCF-7 cells | | |
| | | | FC (Intra): | FC (Intra) : HeLa cells, | |
| | Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | | | | |
| | bujjer pri 6.6 | | | | |
| Background Information | There are five tubulins in human cell species. They form heterodimers, whi heterodimer is the basic structural un alpha and beta tubulins, which are ea for scientists across fields as an intern | ich multimerize to f nit of microtubules. T ach about 55 kDa MV nal control due to its | orm a microtubu The heterodimer V, are homologo s high, ubiquitou | le filament. An alpha and beta tubulin does not come apart once formed. The us but not identical. Alpha tubulin is use | |
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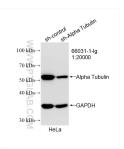
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

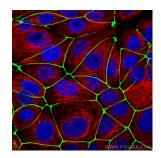
Selected Validation Data



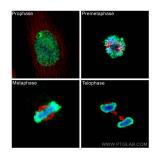
Various lysates were subjected to SDS PAGE followed by western blot with 66031-1-lg (Alpha Tubulin antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



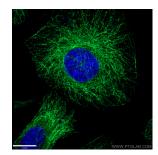
WB result of Alpha Tubulin antibody (66031-1-lg; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Alpha Tubulin transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Alpha Tubulin antibody (66031-1-lg, Clone: 1E4C11) at dilution of 1:1000 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L), ZO-1 antibody (21773-1-AP, green).



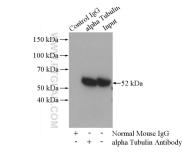
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11) at dilution of 1:1000 and Coralite®594-Conjugated Goat Anti-Mouse IgG(H+L), Histone H1.2 antibody (19649-1-AP, green).



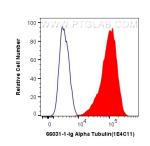
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66031-1-Ig(alpha Tubulin antibody) at dilution of 1:100 and Alexa Fluor 488conjugated Goat Anti-Mouse IgG(I+L).



Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 66031-1-1g (alpha Tubulin antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



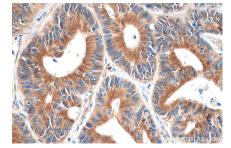
IP result of anti-Alpha Tubulin (IP:66031-1-Ig, 5ug; Detection:11224-1-AP 1:1000) with HeLa cells lysate 2800ug.

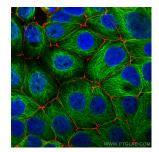


1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human Alpha Tubulin (66031-1-Ig, Clone:1E4C11) and Coralite@488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66031-1-Ig (Alpha Tubulin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).





Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66031-1-1g (Alpha Tubulin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L), ZO-1 antibody (21773-1-AP, red).