

For Research Use Only

GFP tag Monoclonal antibody

Catalog Number: 66002-1-Ig **543 Publications**



Basic Information

Catalog Number: 66002-1-Ig	GenBank Accession Number: M62653	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): Full Name:	CloneNo.: 1E10H7
Source: Mouse	Calculated MW: 26 kDa	Recommended Dilutions: WB 1:20000-1:100000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF/ICC 1:400-1:1600
Isotype: IgG2a		
Immunogen Catalog Number: AG2128		

Applications

Tested Applications: WB, IF/ICC, IP, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, IP, CoIP, ChIP, RIP, ELISA	WB : GFP transgenic mouse brain tissue, Recombinant protein
Species Specificity: recombinant protein	IP : Transfected HEK-293T cells,
Cited Species: human, mouse, pig	IF/ICC : Transfected HEK-293 cells,

Background Information

Green Fluorescent Proteins (GFPs) encompass a diverse range of proteins carrying a green chromophore, originating from various species and forming different protein lineages. Wildtype GFP consists of 238 amino acid residues (26.9 kDa). GFP was first identified in the jellyfish *Aequorea victoria*. It emits green light with a peak wavelength of 509 nm upon excitation by blue light at 395 nm. When fused with other proteins, GFP serves as a versatile reporter protein e.g. for quantifying expression levels or facilitates visualization of subcellular localization through fluorescence microscopy. This antibody is a mouse (IgG2a) monoclonal antibody against GFP reactive to GFP, eGFP, eYFP, YFP and CFP.

Notable Publications

Author	Pubmed ID	Journal	Application
Yueke Lin	36178239	EMBO Rep	IP
Yajie Chen	31570706	Cell Death Dis	
Po-Hsun Wang	31632419	Front Plant Sci	

Storage

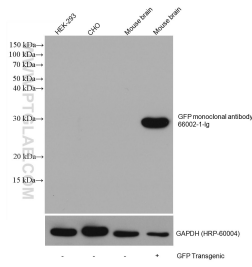
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

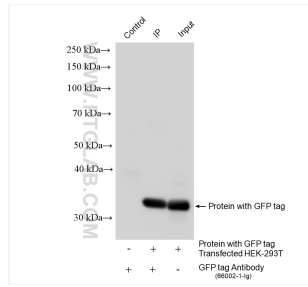
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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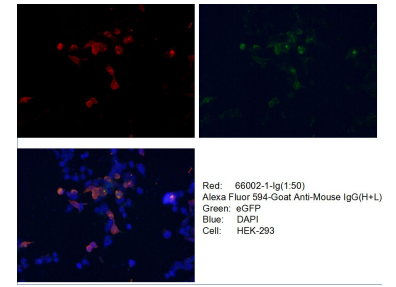
Selected Validation Data



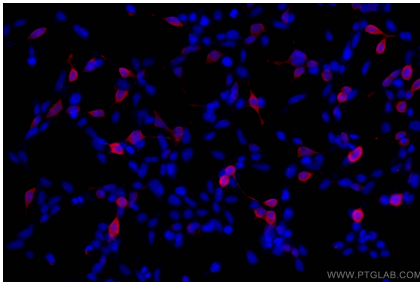
HEK293 cells, CHO cells, normal mouse brain and GFP transgenic mouse brain were subjected to SDS PAGE followed by western blot with 66002-1-Ig (GFP tag antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



IP result of anti-GFP tag (IP:66002-1-Ig, 4ug; Detection:66002-1-Ig 1:10000) with Transfected HEK-293T cells lysate 400 ug.



Immunofluorescent analysis of Transfected HEK-293 cells using 66002-1-Ig (GFP tag antibody) at dilution of 1:50 and Alexa Fluor 594-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using GFP tag antibody (66002-1-Ig, Clone: 1E10H7) at dilution of 1:800 and CoraLite@594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-3).