

For Research Use Only

DYKDDDDK tag Monoclonal antibody (Binds to FLAG® tag epitope)

Catalog Number: 66008-4-Ig **428 Publications**



Basic Information

Catalog Number:

66008-4-Ig

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

GeneID (NCBI):

8

Full Name:

Flag Tag

Purification Method:

Protein A purification

CloneNo.:

8H6A10

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:1000-1:4000

Applications

Tested Applications:

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

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

Species Specificity:

recombinant protein

Cited Species:

human, mouse, rat, chicken

Positive Controls:

WB : Transfected HEK-293 cells,

IP : Transfected HEK-293 cells,

IF/ICC : Transfected HEK-293 cells,

FC (Intra) : Transfected HEK-293 cells,

Background Information

DYKDDDDK Tag (Equivalent To FLAG Antibody From Sigma) with the following sequence DYKDDDDK, is a hydrophilic tag for recombinant protein technology. Tags can be used as a tool to localize gene products in a variety of cell types, study proteins topology, and also help to identify and characterize new, low abundance or poorly immunogenic proteins. Due to its high hydrophilic character, the DYKDDDDK tag is likely to be located on the surface of a fusion protein, which enables the tag to be accessible for antibodies. DYKDDDDK Tag Antibody is generated against 1x DYKDDDDK tag (DYKDDDDK) and can recognize protein containing one or more DYKDDDDK tags, independently on N-terminal, C-terminal or internal regions of the target protein. Anti-FLAG is a registered trademark of Sigma-Aldrich Biotechnology.

Notable Publications

Author	Pubmed ID	Journal	Application
Zi-Chao Wang	36163178	Cell Death Dis	WB
Changsheng Jiang	36094311	Microbiol Spectr	CoIP
Guanghui Zhang	36088509	Br J Cancer	WB,IP

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

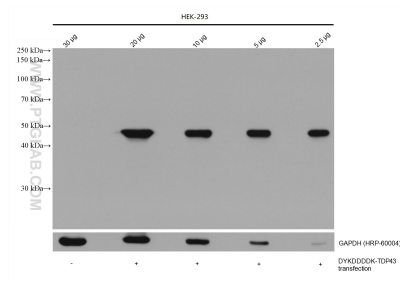
For technical support and original validation data for this product please contact:

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

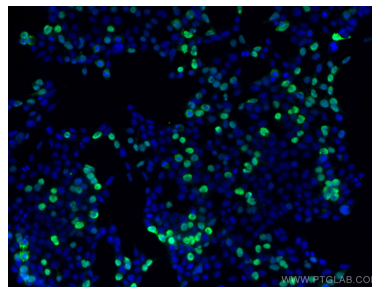
E: proteintech@ptglab.com
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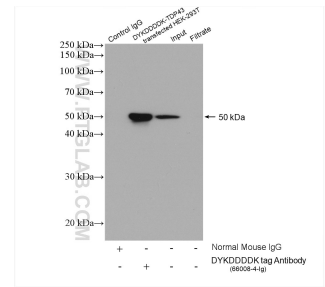
Selected Validation Data



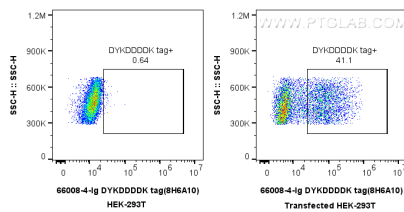
HEK-293 and different loading amount of DYKDDDDK tagged TDP-43 transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 66008-4-Ig (DYKDDDDK tag antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was re-blotted with GAPDH antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed DYKDDDDK-TDP43 Transfected HEK-293 cells using DYKDDDDK tag antibody (66008-4-Ig, Clone: 8H6A10) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IP result of anti-DYKDDDDK tag (IP:66008-4-Ig, 5 μg; Detection:80010-1-RR 1:10000) with Transfected HEK-293T cells lysate 250 μg.



1x10⁶ Transfected HEK-293 cells were intracellularly stained with 0.25 μg DYKDDDDK tag Monoclonal antibody (Binds to FLAG® tag epitope) (66008-4-Ig, Clone:8H6A10) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1) (red). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).