

For Research Use Only

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



Catalog Number: **80010-1-RR** **10 Publications**

Basic Information

Catalog Number: 80010-1-RR
Size: 100ul , Concentration: 700 µg/ml by Nanodrop;
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG2329

GenBank Accession Number:
GeneID (NCBI):
Full Name:

Purification Method: Protein A purification
CloneNo.: 4K14
Recommended Dilutions: WB 1:1000-1:3000 IF 1:200-1:1000

Applications

Tested Applications: IF, IP, WB, ELISA
Cited Applications: IF, WB
Species Specificity: recombinant protein
Cited Species: human

Positive Controls:
WB : TDP43-PCDNA6, PCSK9
IF : HEK-293 cells, 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 DDDDK 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
Liyan Sui	34084167	Front Immunol	WB
Dong Huang	34015269	Cell Metab	WB
Yang Gu	34025643	Front Immunol	WB

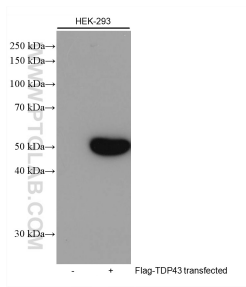
Storage

Storage: Store at -20°C.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

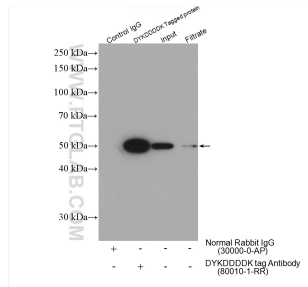
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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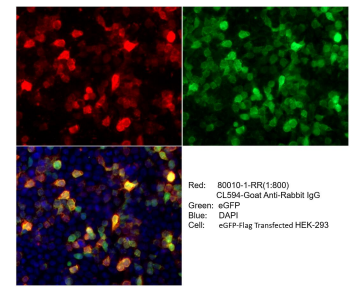
Selected Validation Data



With/Without pCDNA5-flag-N/TDP43 transfected HEK293 cell lysates were subjected to SDS PAGE followed by western blot with 80010-1-RR (DYKDDDDK tag antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hour.



IP result of anti-DYKDDDDK tag (IP:80010-1-RR, 2.5 ug; WB:66008-3-Ig, 1:3000) with Transfect HEK-293 cells lysate 768 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 (eGFP-DYKDDDDK transfected) cells using DYKDDDDK tag antibody (80010-1-RR, Clone: 4K14) at dilution of 1:800 and CoraLite® 594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), eGFP (Green), DYKDDDDK (Red), DAPI (Blue).