

For Research Use Only

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

Catalog Number: 20543-1-AP

1280 Publications



Basic Information

Catalog Number:

20543-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2329

GenBank Accession Number:

GeneID (NCBI):

UNIPROT ID:

FLAGTAG

Full Name:

Purification Method:

Antigen affinity purification

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: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

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

Species Specificity:

recombinant protein

Cited Species:

human, mouse, pig, silkworm

Positive Controls:

WB: Transfected HEK-293T cells,

IP: Transfected HEK-293 cells,

IF/ICC: Transfected HEK-293 cells,

Background Information

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. The DYKDDDDK(FLAG) peptide has been used extensively as a general tag in expression vectors. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion. N-terminal DDDDK vectors provide an E_k cleavage site for removal of the fusion tag. The DDDDK peptide is likely to be located on the surface of a fusion protein because of its hydrophilic nature. As a result, the DDDDK peptide is more likely to be accessible to antibodies. A DDDDK-tag can be used in many different assays that require recognition by an antibody, such as western blotting, immunocytochemistry, immunoprecipitation, flow cytometry, protein purification, and in the study of protein-protein interactions, cell ultrastructure, and protein localization and so on. This antibody is a rabbit polyclonal antibody raised against 3xFlag (3x DYKDDDDKT) sequence and recognizes the (1x) and (3x) DYKDDDDK peptide and detects DDDDK-tagged proteins. Anti-FLAG is a registered trademark of Sigma-Aldrich Biotechnology.

Notable Publications

Author	Pubmed ID	Journal	Application
Sirwan Sleman	36179070	Viral Immunol	WB, IP
Huanru Wang	31575039	Int J Mol Sci	
M Zatyka	25274773	Hum Mol Genet	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

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

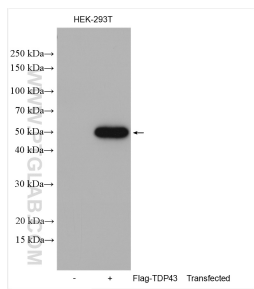
T: 4006900926

E: Proteintech-CN@ptglab.com

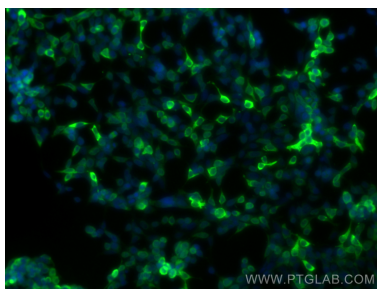
W: ptgcn.com

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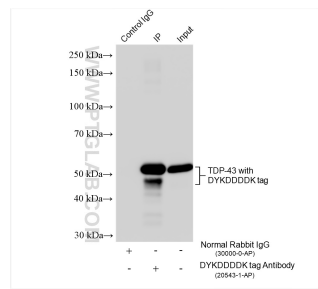
Selected Validation Data



HEK-293T cells and transfected HEK-293T lysates were subjected to SDS PAGE followed by western blot with 20543-1-AP (DYKDDDDK tag antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using DYKDDDDK tag antibody (20543-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



IP result of anti-DYKDDDDK tag (IP:20543-1-AP, 4ug; Detection:20543-1-AP 1:10000) with Transfected HEK-293 cells lysate 400 ug.