For Research Use Only

DYKDDDDK tag Recombinant antibody, PBS Only (Binds to FLAG® tag epitope)

Catalog Number:80801-2-PBS

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
80801-2-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2329

GenBank Accession Number:

GeneID (NCBI):
8

Full Name:
Flag Tag

Purification Method:
Protein A purfication

CloneNo.:
240568A11

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), IP, ELISA

Species Specificity:
recombinant protein

Background Information

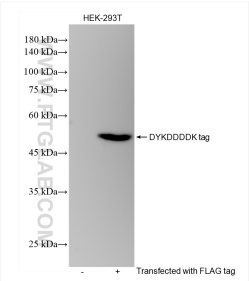
Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. The DYKDDDDK(FLAG) peptide has been used extensively as a general 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 Ek 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 (3xDYKDDDDKT) sequence and recognizes the (1x) and (3x)DYKDDDDK peptide and detects DDDDK-tagged proteins. Anti-FLAG is a registered trademark of Sigma-Aldrich Biotechnology.

Storage

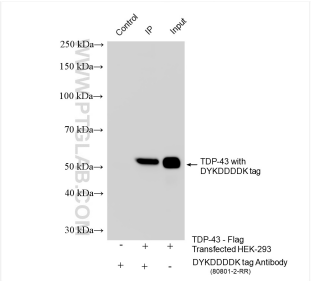
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

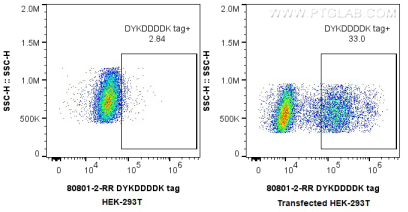
Selected Validation Data



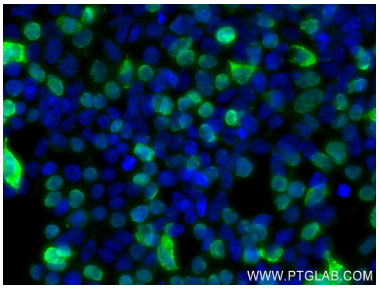
TDP-43-flag Transfected HEK-293T cells were subjected to SDS PAGE followed by western blot with 80801-2-RR (Ag2329 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80801-2-PBS in a different storage buffer formulation.



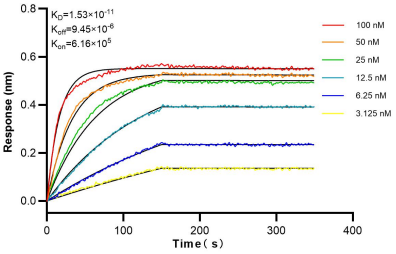
IP result of anti-DYKDDDDK tag (IP:80801-2-RR, 4ug; Detection:80801-2-RR 1:3000) with Transfected HEK-293 cells lysate 400 ug. This data was developed using the same antibody clone with 80801-2-PBS in a different storage buffer formulation.



1x10^6 Transfected HEK-293T cells were intracellularly stained with 0.25 ug DYKDDDDK tag Recombinant antibody (Binds to FLAG® tag epitope) (80801-2-RR, Clone:240568A11) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), and 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was



Immunofluorescent analysis of (4% PFA) fixed Transfected HEK-293T cells using DYKDDDDK tag antibody (80801-2-RR, Clone: 240568A11) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 80801-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 80801-2-RR against DYKDDDDK tag were performed. The affinity constant is 15.3 pM.