

For Research Use Only

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



Catalog Number: **20543-1-AP** **208 Publications**

Basic Information

Catalog Number:
20543-1-AP

Size:
150UL, Concentration: 600 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2329

GenBank Accession Number:
GeneID (NCBI):

Full Name:

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:10000
IF 1:10-1:100

Applications

Tested Applications:
IF, WB, ELISA

Cited Applications:
CoIP, FC, IF, IHC, IP, RIP, WB

Species Specificity:
recombinant protein

Cited Species:
human, mouse

Positive Controls:

WB: recombinant protein protein,

IF: 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 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Huanru Wang	31575039	Int J Mol Sci	
M Zatyka	25274773	Hum Mol Genet	IP
Cole Emanuelson	32988284	SLAS Discov	IP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

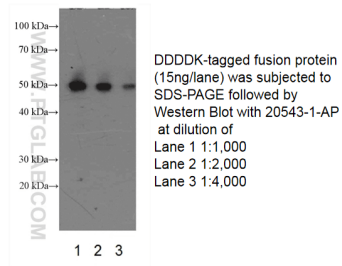
For technical support and original validation data for this product please contact:

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

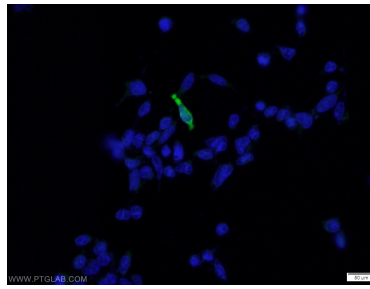
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Western blot of DDDDK-tagged fusion protein with 20543-1-AP (DDDDK tag antibody) at various dilutions.



Immunofluorescent analysis of Transfected HEK-293 cells using 20543-1-AP (DDDDK tag antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).