

# DYKDDDDK tag Polyclonal antibody (Binds to FLAG<sup>®</sup> tag epitope)

 Catalog Number: **20543-1-AP** **829 Publications**

## Basic Information

**Catalog Number:**

20543-1-AP

**GenBank Accession Number:**

GeneID (NCBI):

Full Name:

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:20000-1:100000

**Size:**

150ul , Concentration: 600 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2329

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

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

**Species Specificity:**

recombinant protein

**Cited Species:**

human, chicken, yeast, rat, mouse, monkey, pig, duck

**Positive Controls:**

WB : Transfected HEK-293T 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 (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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

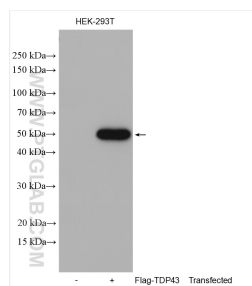
**\*\*\* 20ul sizes contain 0.1% BSA**

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

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 W: [ptglab.com](http://ptglab.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.