

# DDDDK-Tag Rabbit Monoclonal Antibody



CABE063

## Product Information

### Size:

100 uL

### Observed MW:

Refer to Figures

### Calculated MW:

### Applications:

WB IHC IF IP

### Reactivity:

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:500 IF 1:50 - 1:500 IP  
1:50 - 1:500

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

FLAG-tag, or FLAG octapeptide, or FLAG epitope, is a polypeptide protein tag that can be added to a protein using recombinant DNA technology, having the sequence motif DYKDDDDK. It has been used for studying proteins in living cells and for protein purification by affinity chromatography. It has been used to separate recombinant, overexpressed protein from wild-type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits, because its mild purification procedure tends not to disrupt such complexes. It has been used to obtain proteins of sufficient purity and quality to carry out 3D structure determination by x-ray crystallography. A FLAG-tag can be used in many different assays that require recognition by an antibody. If there is no antibody against a given protein, adding a FLAG-tag to a protein allows the protein to be studied with an antibody against the FLAG sequence. Examples are cellular localization studies by immunofluorescence or detection by SDS PAGE protein electrophoresis and Western blotting.

## Immunogen information

### Gene ID:

### Uniprot

### Synonyms:

DDDDK; DDDDK tag; DDDDK-tag

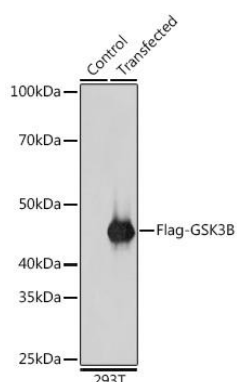
### Immunogen:

A synthetic peptide corresponding to DDDDK tag.

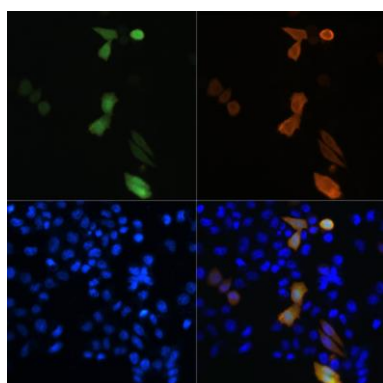
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

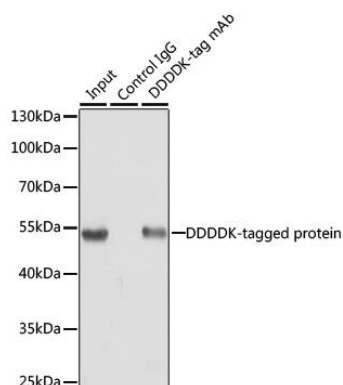
## Product Images



Western blot analysis of extracts of normal 293T cells and 293T transfected with Flag-GSK3B protein, using DDDDK-Tag antibody (CABE063) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunofluorescence analysis of GFP-DDDDK transgenic HeLa cells using DDDDK-Tag antibody (CABE063). Green: GFP expression. Blue: DAPI for nuclear staining.



Immunoprecipitation of over-expressed DDDDK-tagged protein in 293T cells incubated using DDDDK-tag antibody (CABE063). A mock served as negative control and over-expressed 293T cell lysate served as positive control.