Mouse anti DDDDK-Tag Monoclonal Antibody

CABE005

Product Information

Size:

100 uL

Observed MW:

Refer to Figures

Calculated MW:

Applications:

WB IHC IF IP

Reactivity:

Antibody Information

Recommended dilutions:
WB 1:2000 - 1:5000 IHC 1:50 - 1:500 IF 1:50 - 1:500 IP 1:50 - 1:100

Source:
Mouse

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:

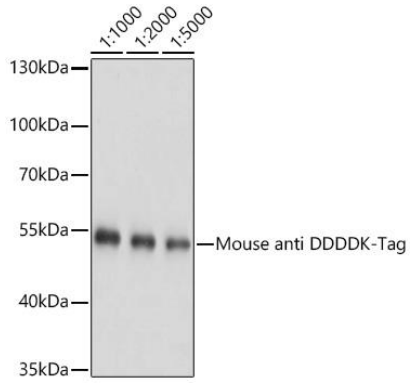
Uniprot

Synonyms:
DDDDK; DDDDK tag; DDDDK-tag

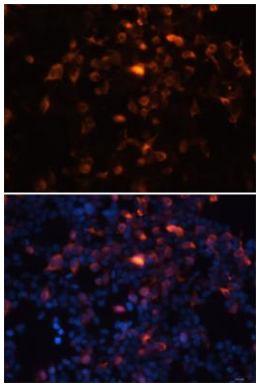
Immunogen:
A synthetic peptide corresponding to DDDDK tag.

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

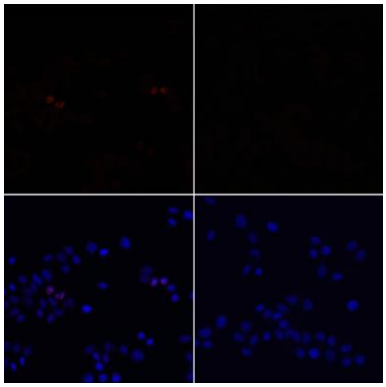
Product Images



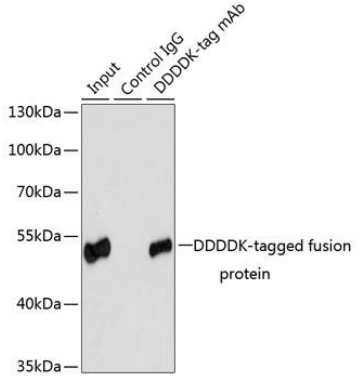
Western blot analysis of over-expressed DDDDK-tagged protein in 293T cells using Mouse anti DDDDK-Tag antibody (CABE005) at different dilution.Each lane was loaded with 2 ug cell lysate. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (CABS003) at 1:10000 dilution. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3s.



Immunofluorescence analysis of 293T cells using Mouse anti DDDDK-Tag mAb (CABE005). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells transfected with DDDDK-Tag and untreated HeLa cells use Mouse anti DDDDK-Tag mAb(CABE005) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation of over-expressed DDDDK-tagged protein in 293T cells using DDDDK-tag antibody (CABE005). A mock served as negative control and over-expressed 293T cell lysate served as positive control.