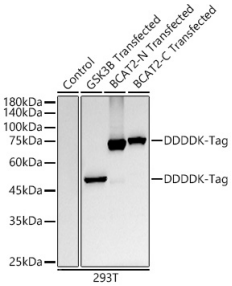
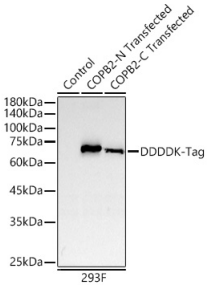
Product Data Sheet:
DDDDK-Tag Rabbit Monoclonal Antibody

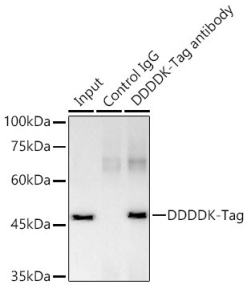
Cat. No:	MAB-94792
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC5111-01
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to DDDDK tag.
Reactivity:	Species independent
Applications:	Western Blot: 1:2000 – 1:10000 Immunofluorescence: 1:50 – 1:200 Immunocytcoehmistry: 1:50 – 1:200 Immunoprecipitation: 1:100 – 1:500 Flow Cytoemtry: 1:50 – 1:200 ChIP: 1:50 – 1:200
Molecular Weight:	56kDa/50kDa/46kDa/68kDa
Purification:	Affinity purification
Synonyms:	DDDDK;DDDDK tag;DDDDK-tag
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.
Form:	Liquid
Buffer:	PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.



Western blot analysis of 293T, 293T

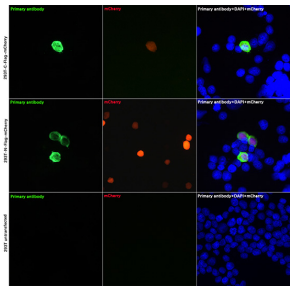


Western blot analysis of 293F, 293F



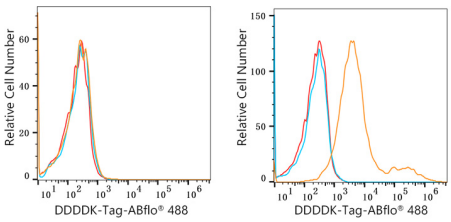
Immunoprecipitation analysis of 300ug

transfected with GSK3B Protein , 293T transfected with BCAT2-N Protein and 293T transfected with BCAT2-C Protein, using DDDDK-Tag antibody at 1:10000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 10s.



Immunofluorescence analysis of 293TFlag- C and 293T-Flag-N and 293T cells using DDDDK-Tag Rabbit mAb at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.

transfected with COPB2-N Protein and 293F transfected with COPB2-C Protein, using DDDDK-Tag antibody at 1:10000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 30s.



Chromatin immunoprecipitation analysis of extracts of 293T cells transfected with GATA3-DDDDKTag,
using DDDDK-Tag Rabbit mAb antibody and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

extract cell lysate from 293T cells transfected with GSK3B expression vector containing a DDDDK-Tag with 3 µg DDDDK-Tag Rabbit mAb antibody .Western blot was performed from the immunoprecipitate using DDDDK-Tag Rabbit mAb antibody at a dilution of 1:10000.