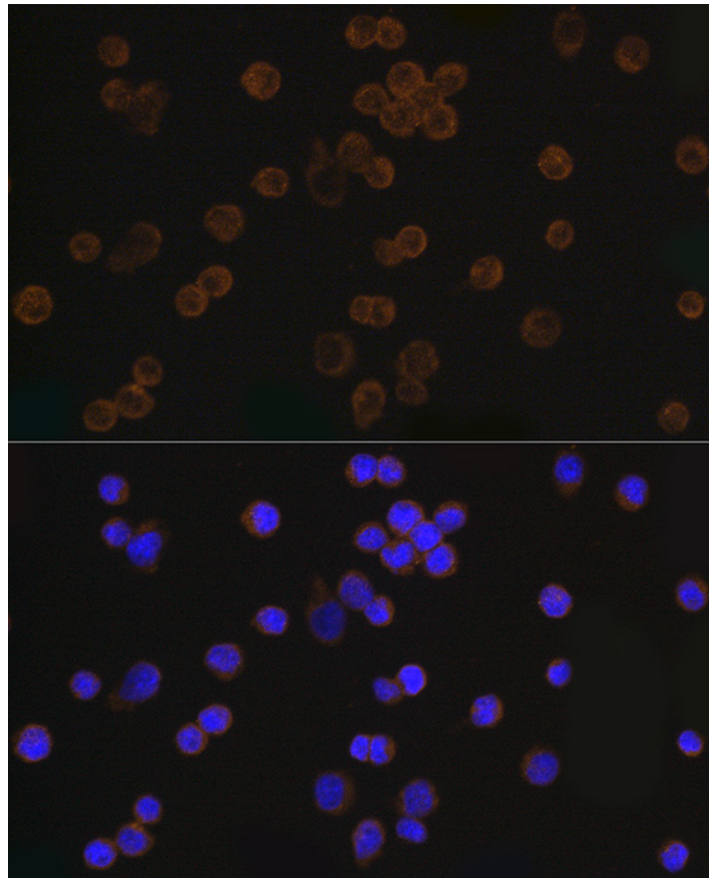
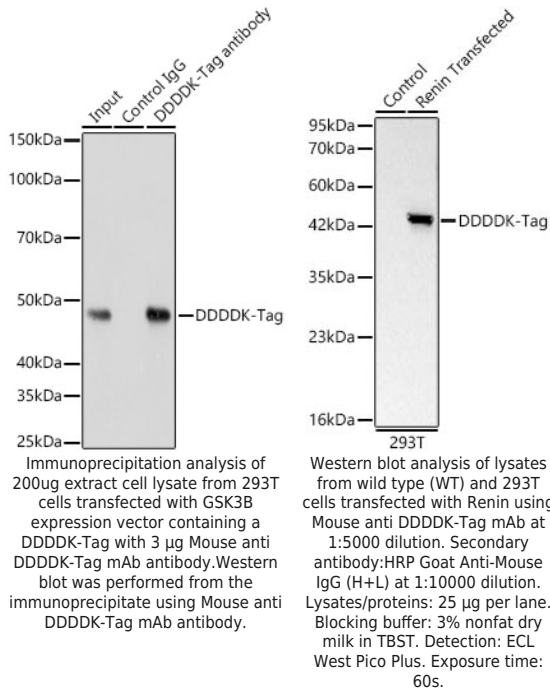
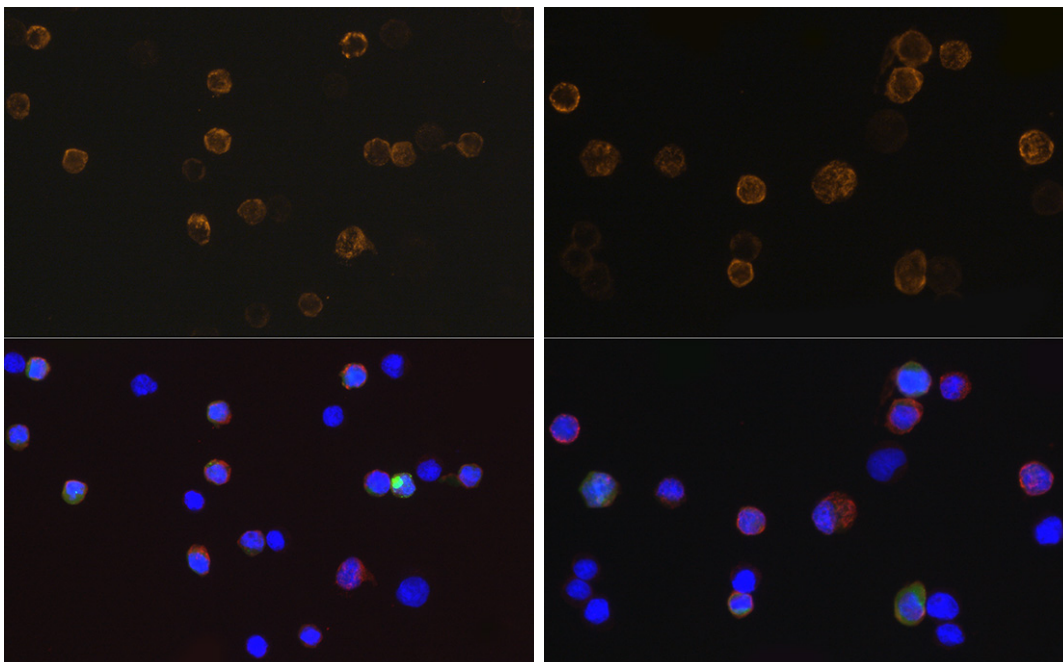

Product name:	DDDDK-Tag Mouse Monoclonal Antibody
Cat number:	MAB-94419
Conjugate:	Unconjugated
Size:	100 ug
Clone:	FR10
Concentration:	1mg/mL
Host:	Mouse
Isotype:	IgG1,Kappa
Immunogen:	A synthetic peptide corresponding to DDDDK tag.
Reactivity:	All Species
Applications:	Western Blot: 1:2000 - 1:5000 Immunohistochemistry: 1:50 - 1:500 Immunofluorescence: 1:50 - 1:500 Immunoprecipitation: 1:50 - 1:100
Molecular Weight:	55kDa/48kDa/40kDa
Purification:	Purified
Form:	Liquid
Buffer:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Storage:	At +4°C for short term. For longer term store at -20°C, avoid repeat freeze-thaw cycles.
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.



Immunofluorescence analysis of 293T cells using Mouse anti DDDDK-Tag mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of 293TBCAT2-Flag-GFP-C cells using Mouse anti DDDDK-Tag mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunofluorescence analysis of 293TBCAT2-Flag-GFP-N cells using Mouse anti DDDDK-Tag mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.