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Rabbit anti DDDDK-Tag Rabbit PolymAb®

Catalog No.: AE169PM **1 Publications**

Basic Information

Observed MW
40 kDa, 60 kDa, 27kDa

Calculated MW

Category
Tag antibody

Applications
WB,IP,IF/ICC,ELISA

Cross-Reactivity
Species independent

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.

Recommended Dilutions

WB	1:10000 - 1:20000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
IF/ICC	1:400 - 1:1200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID **Swiss Prot**

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
DDDDK;DDDDK tag;DDDDK-tag

Contact

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Product Information

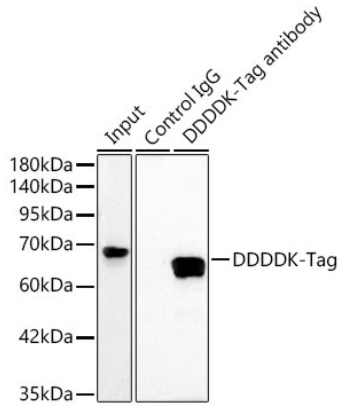
Source
Rabbit

Isotype
IgG

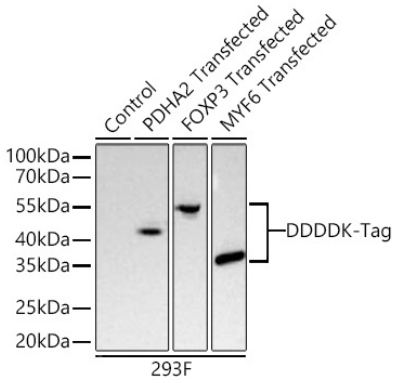
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

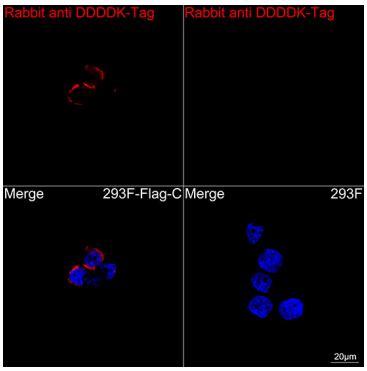
Validation Data



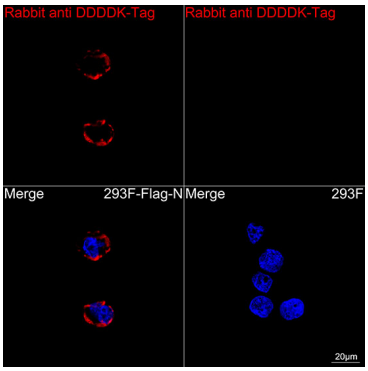
Immunoprecipitation analysis of 300ug extracts of 293T-SERPINB1-Flag(N) cells using 3ug DDDDK-Tag antibody (AE169PM 1:100). Western blot was performed from the immunoprecipitate using DDDDK-Tag antibody (AE092) at a dilition of 1:5000.



Western blot analysis of lysates from wild type (WT) 293F cells, 293F cells transfected with PDHA2-DDDDK-Tag, 293F cells transfected with FXOP3-DDDDK-Tag, 293F cells transfected with MYF6-DDDDK-Tag using Rabbit anti DDDDK-Tag Rabbit PolymAb® (AE169PM) at 1:10000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 20 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
.Exposure time: 1 s.



Confocal imaging of 293F cells transfected with Flag-C-tag using Rabbit anti DDDDK-Tag Rabbit PolymAb® (AE169PM, dilution 1:400) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of 293F cells transfected with Flag-N-tag using Rabbit anti DDDDK-Tag Rabbit PolymAb® (AE169PM, dilution 1:400) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.