

Rabbit anti DDDDK-Tag Rabbit PolymAb®

Catalog No.: AE169

Basic Information

Observed MW

47kDa

Calculated MW

Category

Tag antibody

Applications

ELISA, WB, IP

Cross-Reactivity

Species independent

CloneNo number

ARC5111-01_ARC5111-02

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 1:500 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

Swiss Prot

Immunogen

A synthetic peptide corresponding to DDDDK-Tag.

Synonyms

DDDDK; DDDDK tag; DDDDK-tag

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

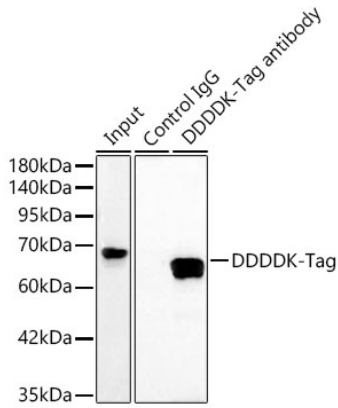
Affinity purification

Storage

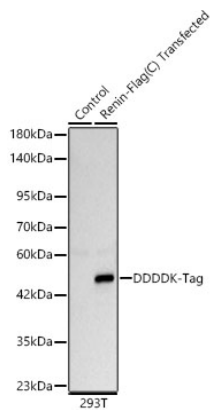
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Immunoprecipitation analysis of 300ug extracts of 293T-SERPINB1-Flag(N) cells using 3ug DDDDK-Tag antibody (AE169 1:100). Western blot was performed from the immunoprecipitate using DDDDK-Tag antibody (AE092) at a dilution of 1:5000.



Western blot analysis of lysates from wild type (WT) and 293T-Renin-Flag(C) cells transfected with DDDDK-Tag using DDDDK-Tag Rabbit PolymAb® (AE169) at 1:500 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020)

Exposure time: 30s.