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Affinity Gel-conjugated Rabbit anti DDDDK-Tag mAb {Anti-DDDDK Affinity Gel}

Catalog No.: AE121 3 Publications

Basic Information

Observed MW
40kDa

Calculated MW

Category
Tag antibody

Applications
IP

Cross-Reactivity
Species independent

CloneNo number
ARC5111-01

Conjugate
Affinity Gel

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

IP	20μl-40μl Affinity Gel for 100μg-300μg extracts of whole cells

Immunogen Information

Gene ID **Swiss Prot**

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

Synonyms
DDDDK;DDDDK tag;DDDDK-tag

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Product Information

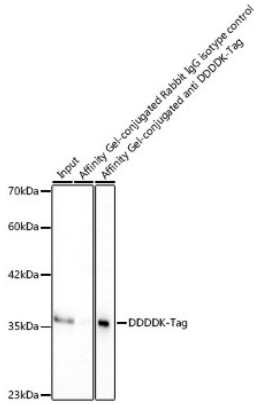
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation of DDDDK-Tag in 150 µg extracts from 293F cells transfected with DDDDK-Tag using 20 µl Affinity Gel-conjugated Rabbit anti C mAb {Anti-DDDDK Affinity Gel} (AE121). Western blot analysis was performed using HRP-conjugated Mouse anti DDDDK-Tag mAb(AE024) at 1:5000 dilution.