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Agarose beads-conjugated anti-DDDDK tag VHH Single Domain antibody

Catalog No.: AE125 1 Publications

Basic Information

Observed MW
48kDa/35kDa

Calculated MW

Category
Tag antibody

Applications
IP

Cross-Reactivity

Conjugate
Agarose Beads

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	30μl-50μl Agarose Beads 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

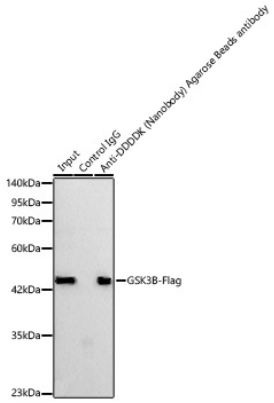
Source
Alpaca

Isotype
VHH

Purification
Affinity purification

Storage
Store at 4℃. Avoid freeze / thaw cycles.
Buffer: 0.03% sodium azide,20% ethanol

Validation Data



Immunoprecipitation of GSK3B-Flag in 200 µg extracts from 293T cells transfected with GSK3B-Flag using 40 µl Anti-DDDDK (Nanobody) Agarose Beads mAb (AE125). Western blot analysis was performed using HRP-conjugated Rabbit anti DDDDK-Tag mAb (AE095) at 1:5000 dilution.