

Magnetic Beads-conjugated anti-DDDDK tag VHH Single Domain antibody

Catalog No.: AE126 2 Publications

Basic Information

Observed MW

48kDa/

Calculated MW

Category

Tag antibody

Applications

IP

Cross-Reactivity

Conjugate

Magnetic 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 Magnetic 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

Contact

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Product Information

Source

Alpaca

Isotype

VHH

Purification

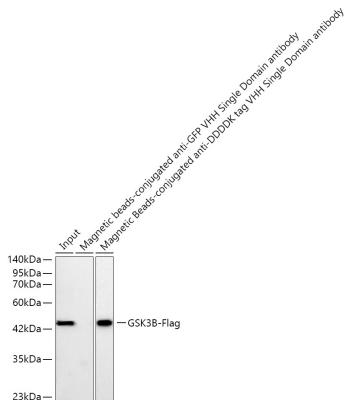
Affinity purification

Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: 0.03% sodium azide, 20% ethanol

Validation Data



Immunoprecipitation of GSK3B-Flag from 200 µg extracts of 293T cells was performed using 40 µg of Magnetic Beads-conjugated anti-DDDDK tag VHH Single Domain antibody (AE126). Magnetic beads-conjugated anti-GFP VHH Single Domain antibody (AE079) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using HRP-conjugated Rabbit anti DDDDK-Tag mAb (AE095) at a dilution of 1:5000.