

AE097

Leader in Biomolecular Solutions for Life Science



# Magnetic Beads-conjugated Rabbit anti DDDDK-Tag mAb

Catalog No.: AE097

## Basic Information

---

### Observed MW

68kDa

### Calculated MW

### Category

SMab Recombinant Monoclonal Antibody

### Applications

IP

### Cross-Reactivity

Species independent

### CloneNo number

ARC5111-01-Beads

### Conjugate

Magnetic Beads

## Recommended Dilutions

---

IP                      20ul antibody (bead slurry) for 200µg-400µg extracts of whole cells

## Contact

---

 [www.abclonal.com](http://www.abclonal.com)

## Background

---

DDDDK Tag (FLAG-tag, FLAG octapeptide) is a polypeptide protein tag that can be added to a protein using recombinant DNA technology. Due to its high hydrophilic character, the DKYDDDDK tag is likely to be located on the surface of a fusion protein, which enables the tag to be accessible for antibodies. DDDDK Tag? can? located at? N-terminal, C-terminal or internal regions of the target protein.Tags can be used as a tool to localize gene products in a variety of cell types, study proteins topology, and also help to identify and characterize new, low abundance or poorly immunogenic proteins. The enterokinase cleavage site allows it to be completely removed from the purified fusion proteins.

## Immunogen Information

---

### Gene ID

Swiss Prot

### Immunogen

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

### Synonyms

DDDDK;DDDDK tag;DDDDK-tag

## Product Information

---

### Source

Rabbit

### Isotype

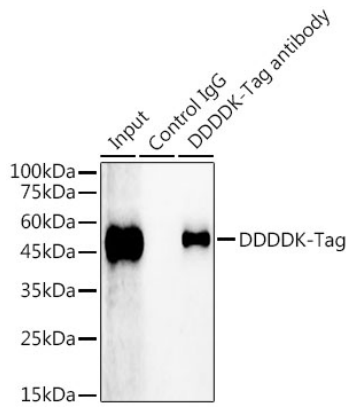
### Purification

Affinity purification

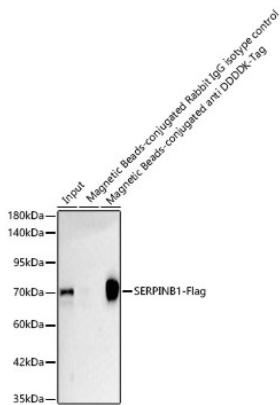
### Storage

Store at 4°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.05% proclin300,pH7.3.

## Validation Data



Immunoprecipitation analysis of 300 µg extract cell lysate from 293T cells transfected with GSK3B expression vector containing a C-terminal DDDDK tag (1x) with 30 µL Magnetic Beads-conjugated Rabbit anti-DDDDK-tag mAb antibody (AE097). Magnetic Beads-conjugated Rabbit IgG isotype control mAb was used as a negative control (AC047). Western blot was performed from the immunoprecipitate using Mouse anti DDDDK-Tag mAb antibody (AE005) at 1:2000 dilution.



Immunoprecipitation of SERPINB1-Flag from 200 µg extracts of 293F cells transfected with a SERPINB1 expression vector containing a single N-terminal Flag-Tag was performed using 20 µL of Magnetic Beads-conjugated Rabbit anti DDDDK-Tag mAb (AE097). Magnetic Beads-conjugated Rabbit IgG isotype control (AC047) 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 Mouse anti DDDDK-Tag mAb (AE024) at a dilution of 1:10000.