Rabbit anti-DDDDK-Tag Polyclonal Antibody

Catalog Number: **R16075P**

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General Information

Immunogen	Recombinant Protein of human DDDDK
IgG type	IgG
Clonality	Polyclonal
Specificity	human DDDDK
Applications & dilution	WB 1:1000 - 1:2000 IF 1:20 - 1:50
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity	≥95% purity by SDS-PAGE
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Abbreviation:
ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry

Background

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. The DYKDDDDK(FLAG) peptide has been used extensively as a general tag in expression vectors. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion. N-terminal FLAG vectors provide an Ek cleavage site for removal of the fusion tag. The FLAG peptide is likely to be located on the surface of a fusion protein because of its hydrophilic nature. As a result, the FLAG peptide is more likely to be accessible to antibodies. A DDDDK can be used in many different assays that require recognition by an antibody, such as western blotting, immunocytochemistry, immunoprecipitation, flow cytometry, protein purification, and in the study of protein-protein interactions, cell ultrastructure, and protein localization and so on. This antibody is a mouse monoclonal antibody raised against 3xFlag (3xDYKDDDDKT) sequence and recognizes the (3x)DYKDDDDK peptide and detects DDDDKged proteins.

For research use only

Preparation

Polyclonal antibody is produced by immunizing rabbit with recombinant protein of human DDDDK and purified using protein A resin.

Applications

Storage

This antibody is shipped at 4 ^{o}C. This product is stable for 12 months from date of receipt when stored at -20 ^{o}C to -70 ^{o}C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.02% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

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