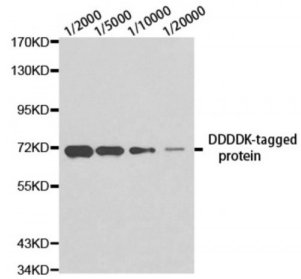
Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

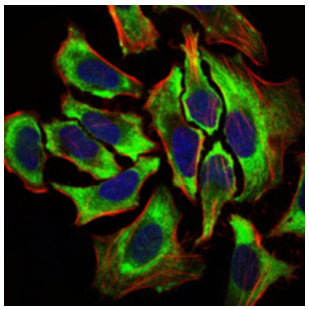
DATASHEET

DDDDK-Tag Antibody

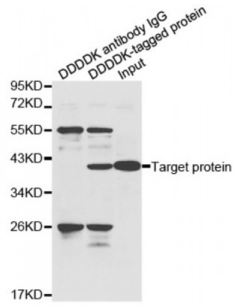
Catalogue No.:abx005578



Western blot analysis of over-expressed DDDDK-tagged protein in 293T cell using DDDDK antibody at different dilution. Each lane was loaded with 2 ug cell lysate.



Immunofluorescence analysis of over-expressed DDDDK-tagged protein in HeLa cells using DDDDK antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunoprecipitation of over-expressed DDDDK-tagged protein in HeLa cell incubated with DDDDK antibody. A mock served as negative control and over-expressed Hela cell lysate served as positive control.

DDDDK-Tag Antibody is a Mouse Monoclonal antibody against DDDDK-Tag. 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-tag 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 DDDDK-tagged proteins.

Target:	DDDDK-Tag
Host:	Mouse

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Clonality:	Monoclonal
Tested Applications:	WB, IHC, IF/ICC, IP
Recommended dilutions:	WB: 1/2000 - 1/5000, IHC: 1/50 - 1/500, IF/ICC: 1/50 - 1/500, IP: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Fusion protein of human DDDDK-tag.
Purification:	Affinity purified.
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Concentration:	> 1 mg/ml
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Note:	This product is for research use only.