Product Datasheet

DYKDDDDK-Tag Rabbit Polyclonal Antibody

Catalog No: #T503

Package Size: #T503-1 50ul #T503-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

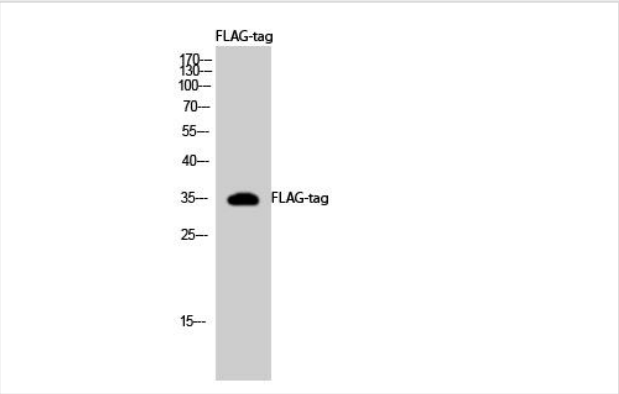
Description

Product Name	DYKDDDDK-Tag Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Specificity	The antibody detects transfected proteins contanining DYKDDDDK tag. The antibody recognizes the DYKDDDDK-tag fused to either the amino- or carboxy-terminus of targeted proteins in transfected cells.
Immunogen Type	Peptide-KLH
Immunogen Description	DDDDK synthetic peptide conjugated to KLH.
Conjugates	Unconjugated
Target Name	DYKDDDDK-Tag
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

WB 1:1000 - 1:3000

Images



Western Blot analysis using FLAG-tag Polyclonal Antibody against HEK293 cells transfected with vector overexpressing FLAG tag (1) and untransfected (2). Secondary antibody was diluted at 1:20000

Background

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 FLAG-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.

Published Papers

Juliette Gafni, Xin Cong, Sylvia F. Chen el at., Calpain-1 Cleaves and Activates Caspase-7J., Biol. Chem., 284: 25441 - 25449(2009)

PMID:19617626

el at., Calpain-1 cleaves and activates caspase-7. In J Biol Chem on 2009 Sep 11 by Juliette Gafni, Xin Cong, et al..PMID: 19617626, , (2009)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.