

Datasheet: AHP1074P

Description:	RABBIT ANTI DYKDDDDK TAG:HRP
Specificity:	DYKDDDDK TAG
Format:	HRP
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/10,000 - 1/50,000
Immunoprecipitation			■	
Western Blotting	■			1/1,000 - 1/5,000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Synthetic Peptide
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - lyophilised
Reconstitution	Reconstitute with 0.1ml deionised water. For long term storage at -20°C, add glycerol to a final concentration of 50%.
Antiserum Preparation	Antisera to peptide DYKDDDDK were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Gentamicin Sulfate
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1mg/ml
Immunogen	Keyhole limpet haemocyanin conjugated Enterokinase cleavage site peptide DYKDDDDK. Residues of cysteine and glycine were used to facilitate coupling at the C-terminal end.

RRID

AB_1604943

Specificity

Rabbit anti DYKDDDDK Tag antibody recognizes the hydrophilic epitope tagging octapeptide sequence DYKDDDDK (Asp-Tyr-Lys-Asp-Asp-Asp-Lys), when fused to either the amino- or carboxyl- terminus of target proteins.

Rabbit anti DYKDDDDK Tag antibody has been tested against both the immunogen and recombinant proteins containing the DYKDDDDK sequence in ELISA and Western blotting and shows greater binding affinity and sensitivity to fusion proteins containing the DYKDDDDK sequence than the clones M1, M2 and M5, in the majority of assays.

In Western blotting of bacterial extracts Rabbit anti DYKDDDDK Tag antibody has been shown not to cross-react with any endogenous proteins.

References

1. Keller, B. *et al.* (2016) Early onset combined immunodeficiency and autoimmunity in patients with loss-of-function mutation in LAT. *J Exp Med.* May 30. pii: jem.20151110. [Epub ahead of print]

Further Reading

1. Hopp, T.P. *et al.* (1988) A short polypeptide marker sequence useful for recombinant protein identification and purification. [Bio/Technology 6: 1204-10.](#)

Storage

Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10115 available at:
10115: <https://www.bio-rad-antibodies.com/uploads/MSDS/10115.pdf>

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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'M363800:200529'

Printed on 11 Aug 2020