

## Product datasheet

# Alkaline Phosphatase Anti-6X His tag® antibody [HIS-1] ab49746

★★★★☆ [1 Abreviews](#) [5 References](#)

### Overview

---

<b>Product name</b>	Alkaline Phosphatase Anti-6X His tag® antibody [HIS-1]
<b>Description</b>	Alkaline Phosphatase Mouse monoclonal [HIS-1] to 6X His tag®
<b>Host species</b>	Mouse
<b>Conjugation</b>	Alkaline Phosphatase
<b>Tested applications</b>	<b>Suitable for:</b> WB, Dot blot, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Recombinant poly(Histidine)-tagged fusion protein.
<b>Positive control</b>	Bacteria lysates expressing a recombinant polyHistidine tagged fusion protein and BCIP/NBT substrate.
<b>General notes</b>	<p>Monoclonal antibodies reacting specifically with poly-histidine may be useful in various immunotechniques, to identify the expression of a polyhistidine fusion protein in bacteria, bacterial lysates or cells and tissues transfected with a polyHistidinetagged fusion protein expressing vectors.</p> <p>The antibody is prepared by conjugation of calf intestinal alkaline phosphatase to mouse monoclonal anti-polyHistidine purified from ascites fluid of the HIS-1 hybridoma.</p> <p>HIS-TAG® is a trademark of EMD Biosciences, Inc.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

<b>Storage buffer</b>	pH: 8.00 Preservative: 0.097% Sodium azide Constituents: 0.06% Tris buffered saline, 0.0095% Magnesium chloride, 50% Glycerol, 1% BSA
<b>Purity</b>	Protein A/G purified
<b>Primary antibody notes</b>	Monoclonal antibodies reacting specifically with poly-histidine may be useful in various immunotechniques, to identify the expression of a polyhistidine fusion protein in bacteria, bacterial lysates or cells and tissues transfected with a polyHistidinetagged fusion protein expressing vectors.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HIS-1
<b>Isotype</b>	IgG2a

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab49746 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>	★★★★☆ (1)	1/2000. Predicted molecular weight: 7 kDa.
<b>Dot blot</b>		Use at an assay dependent dilution.
<b>ELISA</b>		Use at an assay dependent dilution.

## Target

**Relevance** The H-H-H-H-H-H motif is used as a tag on many recombinant proteins to facilitate purification. His-tags can be fused to the amino- or carboxy- termini of proteins in transfected or transformed cells.

**Cellular localization** Depends upon the localization of the parent protein tagged with hexahistidine.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors