

## Product datasheet

# HRP Anti-polyHistidine antibody [HIS-1] ab49781

### 2 References

#### Overview

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<b>Product name</b>	HRP Anti-polyHistidine antibody [HIS-1]
<b>Description</b>	HRP Mouse monoclonal [HIS-1] to polyHistidine
<b>Host species</b>	Mouse
<b>Conjugation</b>	HRP
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, Dot blot, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Recombinant polyHistidine tagged fusion protein.
<b>Positive control</b>	Bacteria lysates expressing a recombinant Histidine tagged fusion protein.
<b>General notes</b>	<p>Monoclonal antibody reacting specifically with polyHistidine 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 polyHistidine tagged fusion protein expressing vectors.</p> <p>The conjugate was prepared by conjugation of HRP to Mouse monoclonal anti-polyHistidine purified from ascites fluid of the HIS-1 hybridoma. Molar ratio Ab/Enzyme: 0.8 to 1.5 Enzyme activity: at least 400 U/ml</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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 0.0268% PBS, 1% BSA
<b>Purity</b>	IgG fraction

<b>Purification notes</b>	Purified Immunoglobulin
<b>Primary antibody notes</b>	Monoclonal antibody reacting specifically with polyHistidine 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 polyHistidine tagged 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 ab49781 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>ELISA</b>		Use at an assay dependent concentration.
<b>Dot blot</b>		1/2000.
<b>WB</b>		1/2000.

## Target

**Relevance** Recombinant DNA technology enables the attachment of genes of interest to specific sequences or genes that can provide 'affinity handles' (tags) designed to enable the selective identification of the protein of interest. These sequences of tails or tags are genetically engineered away from the protein active site, by insertion at the N or C terminus. It has been reported that the addition of a consecutive Histidine amino acid residue tail creates a stable fusion product that does not appear to interfere with the bioactivity of the protein or with the biodistribution of the Histidine tagged product.

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

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