

Product datasheet

Anti-HRP antibody ab181708

[1 References](#) [1 Image](#)

Overview

Product name	Anti-HRP antibody
Description	Mouse polyclonal to HRP
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Horseradish
Immunogen	Full length native protein (purified) corresponding to HRP aa 31-338. Sequence: QLTPTFYDNSCPNVSNIVRDTM/NELRSDPRIAASILRLHFH DCFVNGCD ASILLDNTTSFRTEKDAFGNANSARGFPVIDRMKAAVESA CPRTVSCADL LTIAAQQSVTLAGGPSWRVPLGRRDSLQAFDLANANLPA PFFTLPLQKD SFRNVGLNRSSDLVALSGGHTFGKNQCRFIMDRLYNFSNT GLPDPTLNTT YLQTLRGLCPLNGNLSALVDFDLRPTIFDNKYVNL EEQK GLIQSDQEL FSSPNATDTIPLVRSFANSTQTFNFAFVEAMDRMGNITPLT GTQGQIRLN CRVVNSNS

Database link: [P00433](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

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.

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&As

Properties

Form Liquid

Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituents: 0.88% Sodium chloride, 0.27% Potassium phosphate
	Does not contain preservative or stabilizer
Purity	IgG fraction
Purification notes	ab181708 is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the stated buffer stated. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse Serum as well as purified and partially purified Peroxidase [Horseradish].
Clonality	Polyclonal
Isotype	IgG

Applications

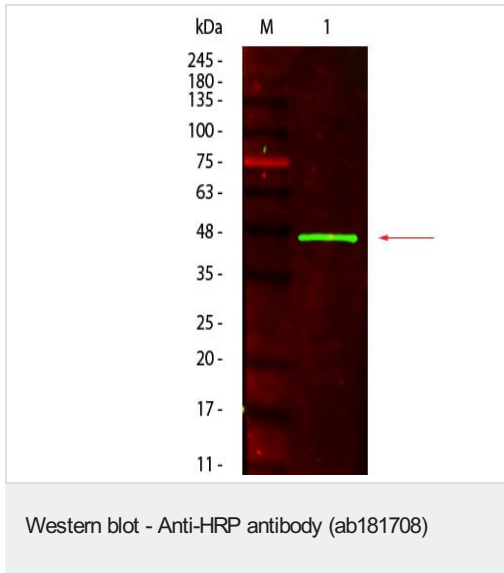
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab181708 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 39 kDa.

Target

Relevance	Horseradish Peroxidase (HRP) is an enzyme commonly used as an indicator for chemical reactions which produce peroxide. The enzyme is routinely conjugated to antibodies for use in enzyme-based immunoassay systems. HRP functions in the removal of H ₂ O ₂ (hydrogen peroxide), oxidation of toxic reductants, biosynthesis and degradation of lignin, suberization, auxin catabolism, response to environmental stresses such as wounding, pathogen attack and oxidative stress. These functions might be dependent on each isozyme/isoform in each plant tissue.
Cellular localization	Secreted Probable. Vacuole Probable. Note: Carboxy-terminal extension appears to target the protein to vacuoles.

Images



Anti-HRP antibody (ab181708) at 1/1000 dilution (overnight at 4°C)
+ Peroxidase (Horseradish) at 0.1 µg

Secondary

Fluorescein conjugated mouse secondary antibody for 30 minutes
at room temperature at 1/40000 dilution

Predicted band size: 39 kDa

Observed band size: 44 kDa

Block: Blocking Buffer for Fluorescent Western Blotting for 30
minutes at room temperature.

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

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