

Product datasheet

Anti-Peroxiredoxin 4 antibody [1A1] ab16754

2 Images

Overview

Product name	Anti-Peroxiredoxin 4 antibody [1A1]
Description	Mouse monoclonal [1A1] to Peroxiredoxin 4
Host species	Mouse
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Recombinant human fragment protein (without secretion leader sequence) purified from E.coli
Positive control	HeLa cell lysate
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Ammonium Sulphate Precipitation
Purification notes	Purified from TCS
Clonality	Monoclonal
Clone number	1A1
Isotype	IgG3
Light chain type	kappa

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab16754 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
IP		

Application notes

ELISA: Use at an assay dependent dilution.

IP: Use at a concentration of 1 - 2 µg/ml of lysate.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Probably involved in redox regulation of the cell. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.

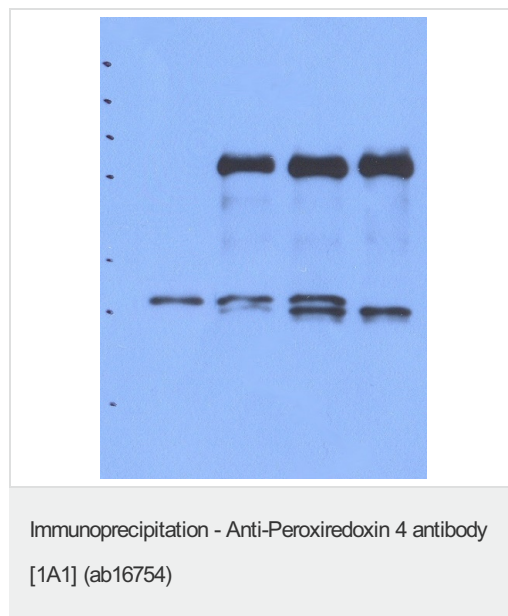
Sequence similarities

Belongs to the ahpC/TSA family.
Contains 1 thioredoxin domain.

Cellular localization

Cytoplasm. Secreted.

Images



Ladder M.W(kDa): 7, 17, 25, 30, 46, 58, 80, 175

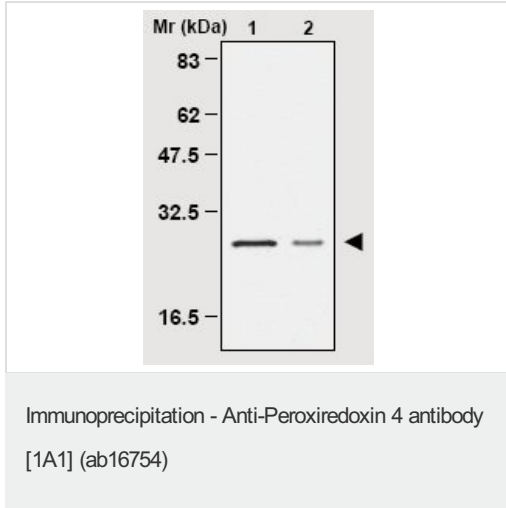
All lanes :

Lane 1 : HeLa Cell Lysate

Lane 2 : Precipitated from HeLa Cell Lysate 200ug using ab16754
2ug

Lane 3 : Precipitated from HeLa Cell Lysate 200ug using ab16754
5ug

Lane 4 : Precipitated from PBS using ab16754 5ug



ab16754 at 1.5µg/ml immunoprecipitating Peroxiredoxin 4 from
HeLa cell lysate
Lane 1: Input
Lane 2: Precipitates

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