

Product datasheet

Biotin Anti-S100A4 antibody [S100A4/1481] ab271820

[3 Images](#)

Overview

Product name	Biotin Anti-S100A4 antibody [S100A4/1481]
Description	Biotin Mouse monoclonal [S100A4/1481] to S100A4
Host species	Mouse
Conjugation	Biotin
Tested applications	Suitable for: IHC-P, Protein Array
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Mouse S100A4 aa 1-200. The exact sequence is proprietary. Database link: P07091
Positive control	IHC-P: Human placenta tissue.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	S100A4/1481
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab271820 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
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Protein Array		Use at an assay dependent concentration.

Target

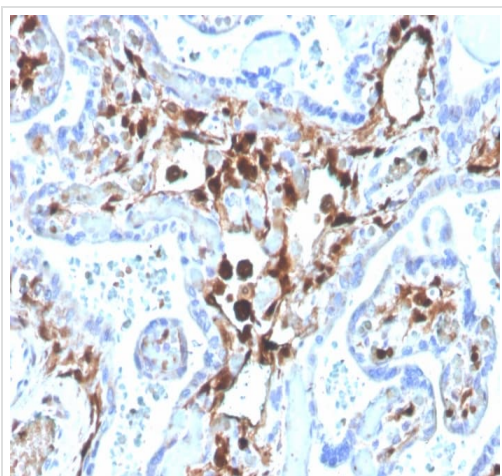
Tissue specificity

Ubiquitously expressed.

Sequence similarities

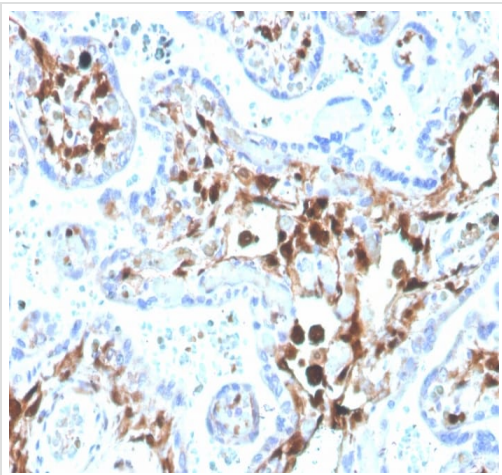
Belongs to the S-100 family.
Contains 2 EF-hand domains.

Images



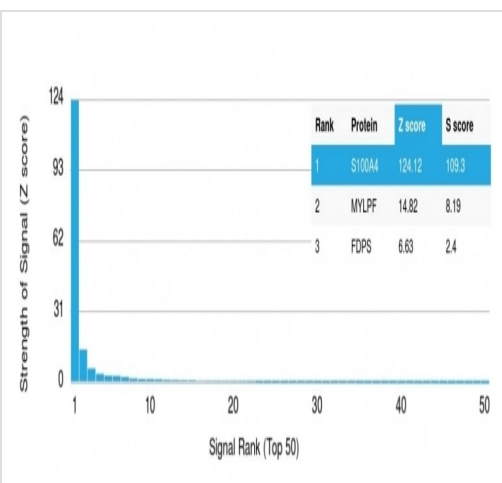
Formalin-fixed, paraffin-embedded human Placenta tissue stained for S100A4 using ab271820 at 4 µg/ml in immunohistochemical analysis

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Biotin Anti-S100A4 antibody [S100A4/1481] (ab271820)



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Protein Array - Biotin Anti-S100A4 antibody [S100A4/1481] (ab271820)

Analysis of Protein Array containing more than 19,000 full-length human proteins using ab271820. Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

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