

Product datasheet

Anti-S100A10 antibody [EPR3317] α b76472

Recombinant RabMAb

★★★★★ [3 Abreviews](#) [6 References](#) [8 Images](#)

Overview

Product name	Anti-S100A10 antibody [EPR3317]
Description	Rabbit monoclonal [EPR3317] to S100A10
Host species	Rabbit
Specificity	The mouse recommendation is based on the WB results. This antibody may not be suitable for IHC with mouse samples.
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human S100A10 aa 1 to the C-terminus. The exact sequence is proprietary. Database link: P60903
Positive control	WB: HaCaT, A431, SW480, RAW264.7, NIH/3T3, and HT-29 cell lysates; IHC-P: Human squamous cell cervical carcinoma, colon tissue and human kidney tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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: 7.20

	Preservative: 0.01% Sodium azide
	Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3317
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab76472 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

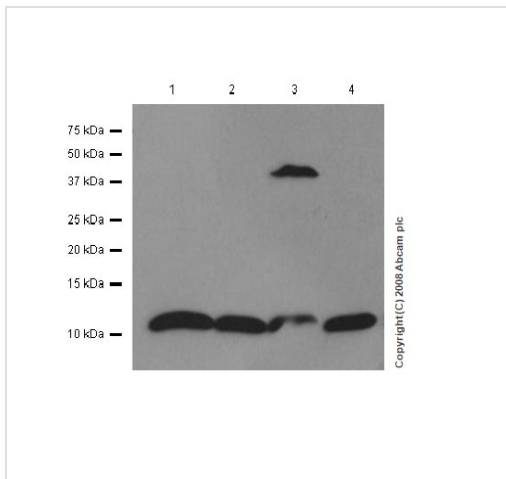
Application	Abreviews	Notes
WB		1/5000 - 1/50000. Predicted molecular weight: 11 kDa.
IHC-P	★★★★★ (2)	1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function	Because S100A10 induces the dimerization of ANXA2/p36, it may function as a regulator of protein phosphorylation in that the ANXA2 monomer is the preferred target (in vitro) of tyrosine-specific kinase.
Sequence similarities	Belongs to the S-100 family.

Images



Western blot - Anti-S100A10 antibody [EPR3317] (ab76472)

All lanes : Anti-S100A10 antibody [EPR3317] (ab76472) at 1/10000 dilution (unpurified)

Lane 1 : HaCaT (Human skin keratinocyte) whole cell lysate

Lane 2 : A431 (Human epidermoid carcinoma epithelial cell) whole cell lysate

Lane 3 : SW480 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate

Lane 4 : HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

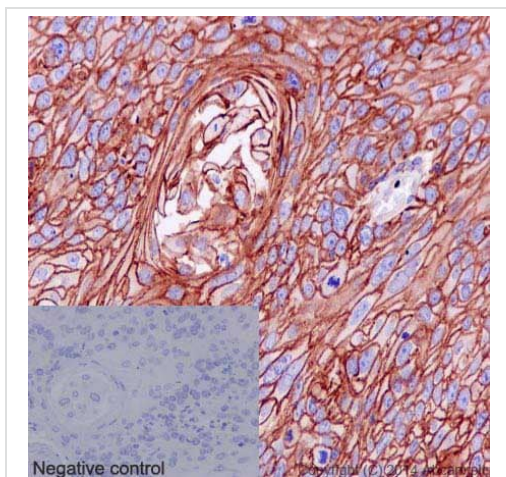
Predicted band size: 11 kDa

Observed band size: 13 kDa

Additional bands at: 40 kDa (possible non-specific binding)

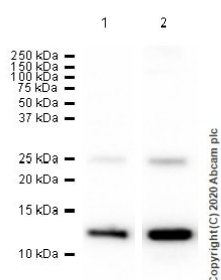
Exposure time: 180 seconds

Blocking buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100A10 antibody [EPR3317] (ab76472)

Immunohistochemical staining of paraffin embedded human squamous cell cervical carcinoma with purified ab76472 at a working dilution of 1 in 100. The secondary antibody used is a HRP polymer for rabbit IgG. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Western blot - Anti-S100A10 antibody [EPR3317] (ab76472)

Lane 1 : Anti-S100A10 antibody [EPR3317] (ab76472) at 1/1000 dilution (purified)

Lane 2 : Anti-6X His tag® antibody [EPR20547] - ChIP Grade ([ab213204](#)) at 1/5000 dilution

All lanes : Recombinant Human S100A10 protein (His tag) ([ab221399](#))

Lysates/proteins at 0.01 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

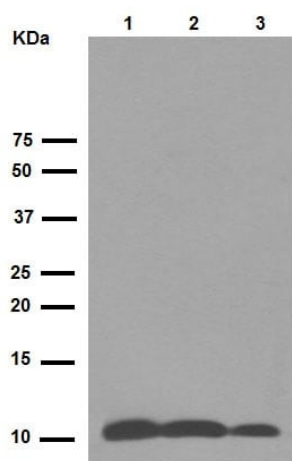
Predicted band size: 11 kDa

Observed band size: 13 kDa

Additional bands at: 25 kDa (possible dimer)

Exposure time: 3 seconds

Blocking buffer: 5% NFDM/TBST



Western blot - Anti-S100A10 antibody [EPR3317] (ab76472)

All lanes : Anti-S100A10 antibody [EPR3317] (ab76472) at 1/50000 dilution (purified)

Lane 1 : HACAT cell lysate

Lane 2 : A431 cell lysate

Lane 3 : HT-29 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

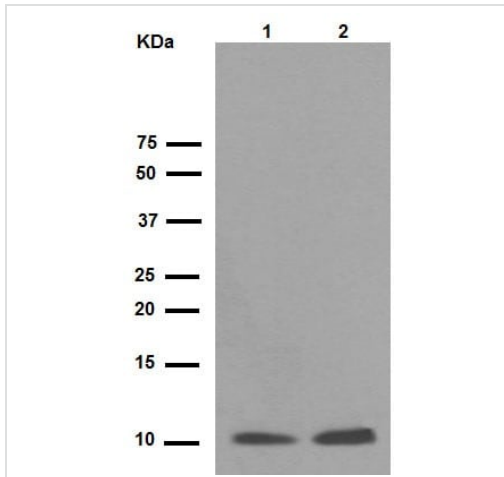
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 11 kDa

Observed band size: 12 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-S100A10 antibody [EPR3317] (ab76472)

All lanes : Anti-S100A10 antibody [EPR3317] (ab76472) at 1/5000 dilution (purified)

Lane 1 : RAW264.7 cell lysate

Lane 2 : NIH/3T3 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

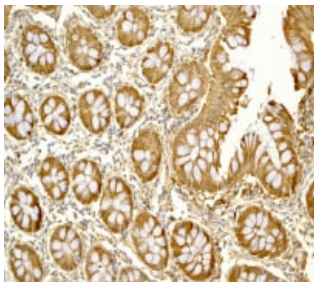
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 11 kDa

Observed band size: 12 kDa

Blocking buffer: 5% NFDM/TBST

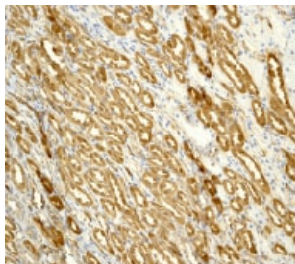
Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100A10 antibody [EPR3317] (ab76472)

Unpurified ab76472 at 1/100 dilution staining S100A10 in human colon tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100A10 antibody [EPR3317] (ab76472)

Unpurified ab76472 at 1/100 dilution staining S100A10 in human kidney tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-S100A10 antibody [EPR3317] (ab76472)

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

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