

Product datasheet

Anti-Sca1 / Ly6A/E antibody [EPR3355] ab109211

Recombinant RabMAb

★★★★☆ 1 Abreviews 10 References 6 Images

Overview

Product name	Anti-Sca1 / Ly6A/E antibody [EPR3355]
Description	Rabbit monoclonal [EPR3355] to Sca1 / Ly6A/E
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC or IP
Species reactivity	Reacts with: Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse bone marrow, and Hepa1-6 lysates. IHC-P: mouse 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>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p> <p>Human, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide

	Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3355
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab109211 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

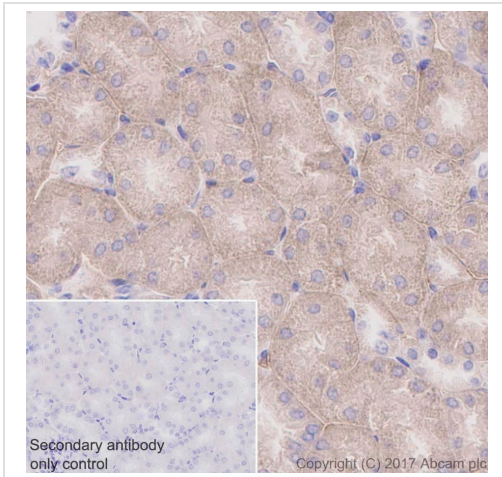
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 18 kDa (predicted molecular weight: 14 kDa).
IHC-P	★★★★★ (1)	1/150. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended. See IHC antigen retrieval protocols . For unpurified use at 1/50 - 1/100

Application notes Is unsuitable for Flow Cyt, ICC or IP.

Target

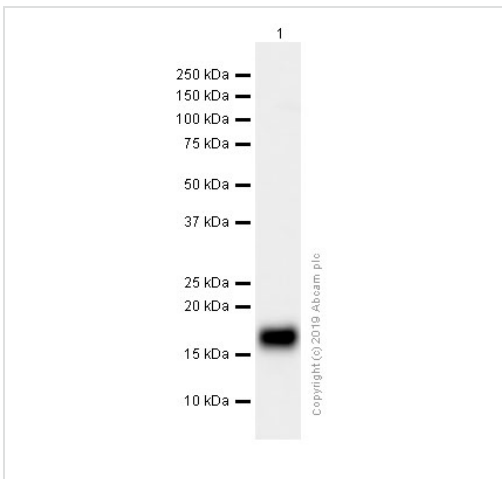
Function	T-cell activation.
Tissue specificity	Widely expressed.
Sequence similarities	Contains 1 UPAR/Ly6 domain.
Post-translational modifications	O-glycosylated. Not N-glycosylated. Not phosphorylated.
Cellular localization	Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue sections labeling Sca1 / Ly6A/E with Purified ab109211 at 1:150 dilution (1.37 µg/ml). Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Purified)ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sca1 / Ly6A/E antibody [EPR3355] (ab109211)



Anti-Sca1 / Ly6A/E antibody [EPR3355] (ab109211) at 1/10000 dilution (Purified) + Hepa1-6 (Mouse hepatoma epithelial cell) whole cell lysates at 15 µg

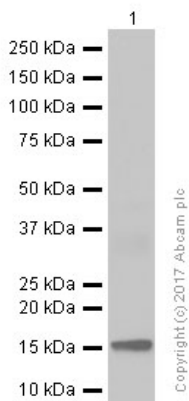
Secondary

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

Predicted band size: 14 kDa

Observed band size: 18 kDa

Western blot - Anti-Sca1 / Ly6A/E antibody [EPR3355] (ab109211)



Western blot - Anti-Sca1 / Ly6A/E antibody
[EPR3355] (ab109211)

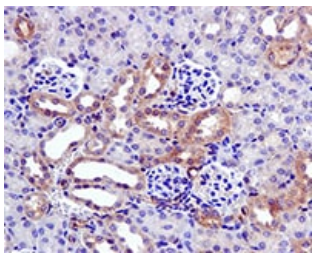
Anti-Sca1 / Ly6A/E antibody [EPR3355] (ab109211) at 1/1000 dilution (Purified) + Mouse bone marrow lysates at 15 µg

Secondary

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

Predicted band size: 14 kDa

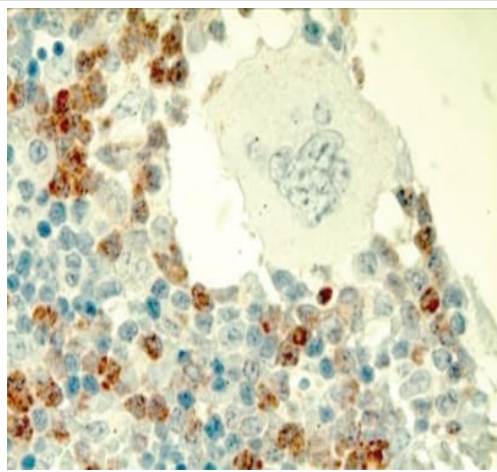
Observed band size: 18 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sca1 / Ly6A/E antibody
[EPR3355] (ab109211)

ab109211, at 1/50 dilution staining Sca1 / Ly6A/E in paraffin-embedded Mouse kidney tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemical analysis of murine bone marrow tissue, following total body irradiation, staining Sca1 / Ly6A/E with ab109211. Sections were blocked with blocking reagent before staining with primary antibody and a peroxidase conjugated anti-rabbit IgG. Staining was detected with AEC substrate.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sca1 / Ly6A/E antibody

[EPR3355] (ab109211)

Image from Basile LA et al., PLoS One. 2012;7(2):e30434. Epub 2012 Feb 24. Fig 5.; doi:10.1371/journal.pone.0030434; February 24, 2012, PLoS ONE 7(2): e30434.

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-Sca1 / Ly6A/E antibody [EPR3355] (ab109211)

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

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