


## Product datasheet

### Anti-S1P antibody ab140592

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#### Overview

<b>Product name</b>	Anti-S1P antibody
<b>Description</b>	Rabbit polyclonal to S1P
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Rabbit, Horse, Chicken, Human, Pig, Chimpanzee, Macaque monkey, Gorilla, Chinese hamster, Orangutan 
<b>Immunogen</b>	Synthetic peptide corresponding to Human S1P aa 200-300 conjugated to keyhole limpet haemocyanin. Database link: <a href="#">Q14703</a> (Peptide available as <a href="#">ab223083</a> )
<b>Positive control</b>	WB: Mouse and rat liver tissue lysates.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab140592 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
<b>WB</b>		Use a concentration of 1 µg/ml. Detects a band of approximately 100 kDa (predicted molecular weight: 118 kDa).

## Target

**Relevance** S1P (also known as MBTPS1,SKI1), was first discovered as one of two enzymes that cleave the sterol regulatory binding proteins (SREBPs), in the case of S1P at “site-1,” a hydrophilic loop extending into the lumen of the ER. The MBTPS1 domain structure contains a signal sequence followed by a propeptide domain, a catalytic domain, a transmembrane domain and a cytoplasmic domain.

**Cellular localization** Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein.

## Images



**All lanes** : Anti-S1P antibody (ab140592) at 1 µg/ml

**Lane 1** : Mouse liver tissue lysate

**Lane 2** : Rat liver tissue lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 118 kDa

**Observed band size:** 100 kDa

**Additional bands at:** 62 kDa (possible non-specific binding)

**Exposure time:** 90 seconds

The band observed at 100 kDa could potentially be a cleaved form of S1P due to the presence of a 17 amino acid signal peptide and a 169 amino acid pro-peptide.

This blot was produced using a 10% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab140592 overnight at 4°C.

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

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