

Product datasheet

Anti-Stra6 antibody ab77616

[1 References](#) [1 Image](#)

Overview

Product name	Anti-Stra6 antibody
Description	Goat polyclonal to Stra6
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat
Immunogen	Synthetic peptide: QAFRKAALTSAKAN , corresponding to C terminal amino acids 653-665 of mouse (NP_033317.1) and rat (NP_001025095.1) Stra6

 [Run BLAST with](#)

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General notes

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

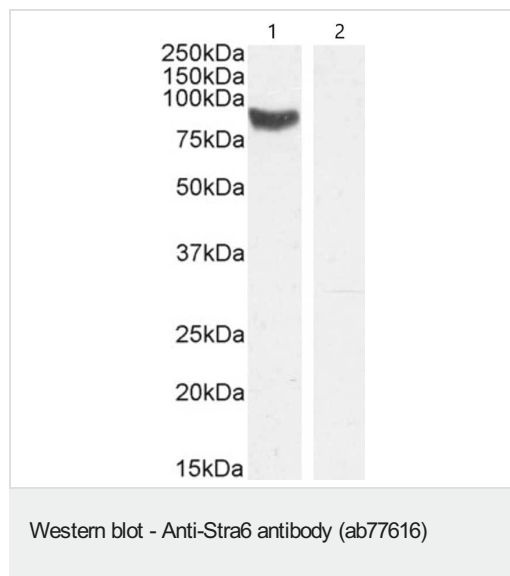
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab77616 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 74 kDa). A 1 hour primary incubation is recommended for this product. Please note a non-specific band of ~80kDa.

Target

Function	May act as a high-affinity cell-surface receptor for the complex retinol-retinol binding protein (RBP/RBP4). Acts by removing retinol from RBP/RBP4 and transports it across the plasma membrane, where it can be metabolized. This mechanism does not depend on endocytosis. Binds to RBP/RBP4 with high affinity. Increases cellular retinol uptake from the retinol-RBP complex.
Tissue specificity	Broad expression. In adult eye expressed in sclera, retina, retinal pigment epithelium, and trabecular meshwork but not in choroid and iris.
Involvement in disease	Defects in STRA6 are the cause of microphthalmia syndromic type 9 (MCOPS9) [MIM:601186]; also called Matthew-Wood syndrome or Spear syndrome. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS9 is a rare clinical entity including as main characteristics anophthalmia or severe microphthalmia, and pulmonary hypoplasia or aplasia. Note=Mutations in STRA6 may be a cause of isolated colobomatous microphthalmia, a disorder of the eye characterized by an abnormally small ocular globe.
Cellular localization	Cell membrane.

Images



All lanes : Anti-Stra6 antibody (ab77616) at 1 µg/ml

Lane 1 : Rat testes tissue lysate

Lane 2 : Rat testes tissue lysate with Immunizing peptide

Lysates/proteins at 35 µg per lane.

Predicted band size: 74 kDa

Observed band size: 80-90 kDa

Primary incubation 1 hour at room temperature. Detected by chemiluminescence.

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

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