




Product datasheet

Anti-MEIS1 antibody ab80593

[1 Image](#)

Overview

Product name	Anti-MEIS1 antibody
Description	Goat polyclonal to MEIS1
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Synthetic peptide: C-SEDIRSANLTDQ , corresponding to internal sequence amino acids 198 - 210 of Human MEIS1 (NP_002389.1)  Run BLAST with  Run BLAST with
Positive control	Human Cerebral Cortex lysate
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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab80593 is 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 ab80593 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		

Application notes

Peptide ELISA: antibody detection limit dilution 1/32000

WB: Use at a concentration of 0.1 - 0.3 µg/ml. Predicted molecular weight: 43 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Acts as a transcriptional regulator of PAX6. Acts as a transcriptional activator of PF4 in complex with PBX1 or PBX2. Required for hematopoiesis, megakaryocyte lineage development and vascular patterning. May function as a cofactor for HOXA7 and HOXA9 in the induction of myeloid leukemias.

Tissue specificity

Expressed at low level in normal immunohepatopoietic tissues, including the fetal liver. Expressed in a subset of myeloid leukemia cell lines, with the highest expression seen in those with a megakaryocytic-erythroid phenotype. Also expressed at high levels in the cerebellum.

Involvement in disease

Defects in MEIS1 could be a cause of susceptibility to restless legs syndrome type 7 (RLS7) [MIM:612853]. Restless legs syndrome (RLS) is a neurologic sleep/wake disorder characterized by uncomfortable and unpleasant sensations in the legs that appear at rest, usually at night, inducing an irresistible desire to move the legs. The disorder results in nocturnal insomnia and chronic sleep deprivation.

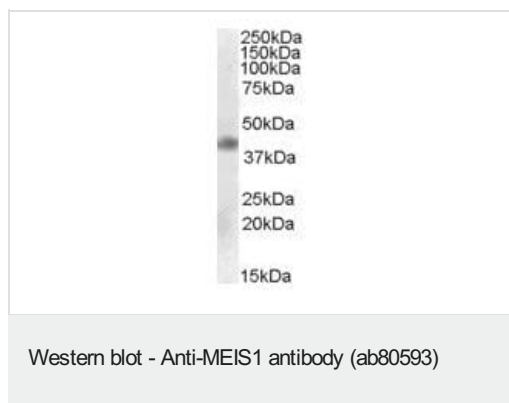
Sequence similarities

Belongs to the TALE/MEIS homeobox family.
Contains 1 homeobox DNA-binding domain.

Cellular localization

Nucleus.

Images



Anti-MEIS1 antibody (ab80593) at 0.1 µg/ml + Human Cerebral Cortex lysate (in RIPA buffer) at 35 µg

Predicted band size: 43 kDa

Observed band size: 43 kDa

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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