




Product datasheet

Anti-MAFG antibody ab168453

2 Images

Overview

Product name	Anti-MAFG antibody
Description	Mouse polyclonal to MAFG
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow 
Immunogen	Recombinant full length protein corresponding to amino acids 1-162 of Human MAFG. (NP_002350.1) Run BLAST with  Run BLAST with 
Positive control	Transfected 293T cell lysate; Daoy cells.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.4 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab168453 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 at an assay dependent dilution. Detects a band of approximately 18 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

Target

Function

Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves. However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins and recruiting them to specific DNA-binding sites. Small Maf proteins heterodimerize with Fos and may act as competitive repressors of the NF-E2 transcription factor. Transcription factor, component of erythroid-specific transcription factor NF-E2. Activates globin gene expression when associated with NF-E2. May be involved in signal transduction of extracellular H(+).

Tissue specificity

Highly expressed in skeletal muscle. Also expressed in heart and brain.

Sequence similarities

Belongs to the bZIP family. Maf subfamily.
Contains 1 bZIP domain.

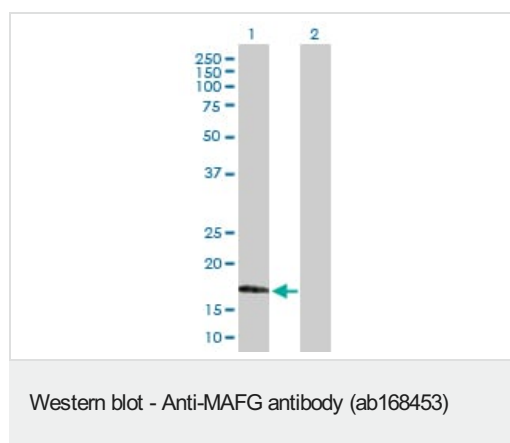
Post-translational modifications

Acetylated in erythroid cells by CREB-binding protein (CBP). Acetylation augments the DNA-binding activity of NFE2, but has no effect on binding NFE2.
Sumoylation at Lys-14 is required for active transcriptional repression.

Cellular localization

Nucleus.

Images



All lanes : Anti-MAFG antibody (ab168453) at 1 µg/ml

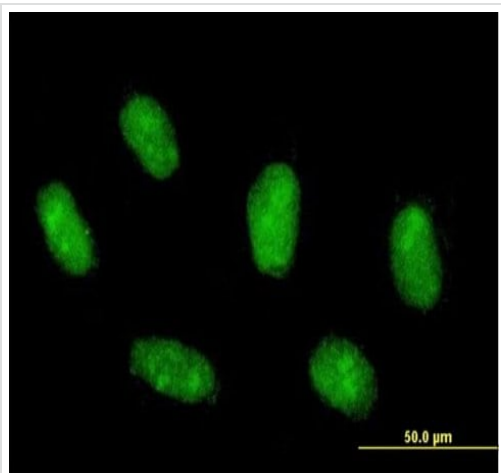
Lane 1 : MAFG transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 15 µl per lane.

Secondary

All lanes : Goat Anti-mouse HRP at 1/2500 dilution



Immunocytochemistry/Immunofluorescence of Daoy cells labeling MAFG with ab168453 at 10μg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-MAFG antibody (ab168453)

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

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- Response to your inquiry within 24 hours
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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