


Product datasheet

Anti-NLRX1 antibody ab107611

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Overview

Product name	Anti-NLRX1 antibody
Description	Rabbit polyclonal to NLRX1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Horse, Human Predicted to work with: Cow, Dog 
Immunogen	Synthetic peptide, corresponding to a region within amino acids 580-630 of Human NLRX1 (NP_078894.2).
Positive control	Mouse heart tissue lysate; Human brain tissue
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 (up to 6 months). Store at -20°C long term.
Storage buffer	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab107611 in the following tested applications.

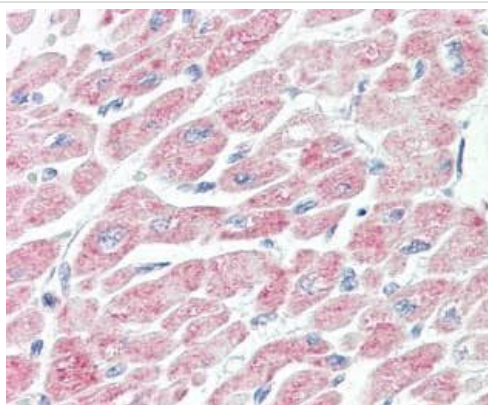
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 5 - 7 µg/ml. Predicted molecular weight: 108 kDa.
IHC-P		Use a concentration of 5 - 10 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

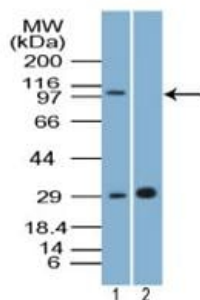
Function	Participates in antiviral signaling. Acts as a negative regulator of MAVS-mediated antiviral responses, through the inhibition of the virus-induced RLH (RIG-like helicase)-MAVS interaction (PubMed:18200010). Has no inhibitory function on NF-Kappa-B and type 1 interferon signaling pathways, but enhances NF-Kappa-B and JUN N-terminal kinase dependent signaling through the production of reactive oxygen species (PubMed:18219313).
Tissue specificity	Ubiquitously expressed. Strongest expression in mammary gland, heart and muscle. Detected in HELA, 293T, THP-1, HL60, RAJI, and JURKAT cell lines (at protein level).
Sequence similarities	Belongs to the NLRP family. Contains 7 LRR (leucine-rich) repeats. Contains 1 NACHT domain.
Cellular localization	Mitochondrion outer membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human heart tissue labelling NLRX1 with ab107611 at 10µg/ml. Staining was enhanced by boiling tissue sections in 10mM sodium citrate buffer, pH6.0 for 10-20 minutes followed by cooling at room temperature for 20 minutes.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NLRX1 antibody (ab107611)



Western blot - Anti-NLRX1 antibody (ab107611)

All lanes : Anti-NLRX1 antibody (ab107611) at 5 µg/ml

Lane 1 : Mouse heart tissue lysate in absence immunizing peptide

Lane 2 : Mouse heart tissue lysate in presence of immunizing peptide

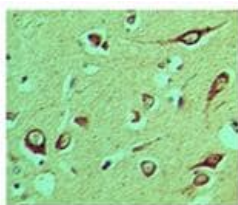
Lysates/proteins at 40 µg per lane.

Secondary

All lanes : Goat anti-Rabbit Ig HRP

Developed using the ECL technique.

Predicted band size: 108 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NLRX1 antibody (ab107611)

ab107611, at 5µg, staining NLRX1 in formalin-fixed, paraffin-embedded Human brain tissue by immunohistochemistry.

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

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