

Rabbit anti-Human, Mouse NLRX1 Polyclonal Antibody | anti-NLRX1 antibody

NLRX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322950	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

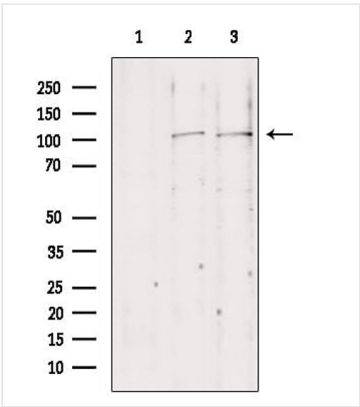
PRODUCT SYNONYMS

NLRX1; Polyclonal Antibody; NLRX1 Antibody; Caterpillar protein 11.3; CLR11.3; DLNB26; FLJ21478; MGC131937; MGC21025; NLR family member X1; NLR family; X1; NlrX1; NLRX1_HUMAN; NOD-like receptor X1; NOD26; NOD5; NOD9; Nucleotide-binding oligomerization domain protein 26; Nucleotide-binding oligomerization domain protein 5; Nucleotide-binding oligomerization domain protein 9; nucleotide-binding oligomerization domain; leucine rich repeat containing X1; Protein Caterpillar 11.3; anti-NLRX1 antibody

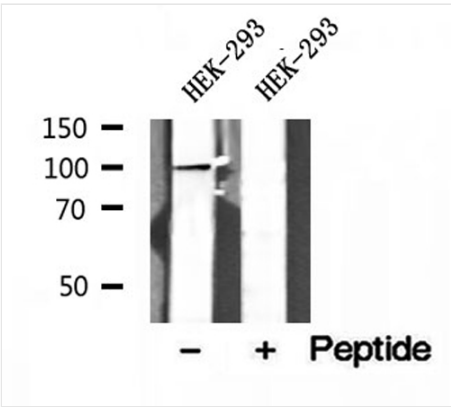
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NLRX1 antibody detects endogenous levels of NLRX1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	975
Applicable Applications for anti-NLRX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NLRX1.
Subcellular Location	Mitochondrion Outer Membrane
Tissue Specificity	Ubiquitously expressed. Strongest expression in mammary gland, heart and muscle. Detected in HeLa, HEK293T, THP-1, HL-60, Raji and Jurkat cell lines (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (89%), Dog (100%), Chicken (100%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

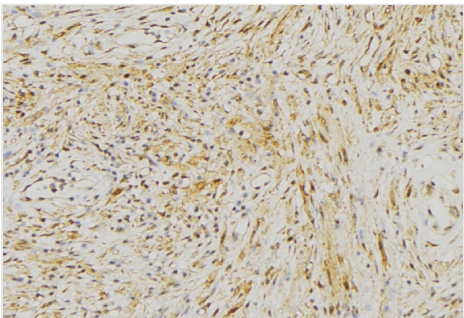
IMAGES



WB (Western Blot)
Western blot analysis of extracts from various samples, using NLRX1 antibody. Lane 1: Mouse Myeloma cell treated with blocking peptide. Lane 2: Mouse Myeloma cell; Lane 3: mouse lung;



WB (Western Blot)
Western blot analysis of extracts of HEK-293 cells, using NLRX1 antibody.



IHC (Immunohistochemistry)
AAA322950 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NLRX1 antibody	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). Instead, promotes autophagy by interacting with TUFM and subsequently recruiting the autophagy-related proteins ATG5 and ATG12 (PubMed:22749352). Regulates also MAVS-dependent NLRP3 inflammasome activation to attenuate apoptosis (PubMed:27393910). Has no inhibitory function on NF-kappa-B signaling pathway, but enhances NF-kappa-B and JUN N-terminal kinase dependent signaling through the production of reactive oxygen species (PubMed:18219313). Subunit Structure: Homohexamer. Interacts with MAVS (PubMed:18200010). Interacts with TUFM (PubMed:22749352). Similarity: The LRRCT domain mediates homodimerization and LRRNT mediates trimerization of the dimers. Belongs to the NLRP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	531034767
NCBI GeneID	79671
NCBI Accession #	NP_001269072.1
NCBI GenBank Nucleotide #	NM_001282143.1
UniProt Accession #	Q86UT6; Q7RTR3; Q96D51; Q9H724; A8K6Q1; B3KPK2; B3KTA2
Molecular Weight	Observed: 100-110 kDa Predicted: 108 kDa

NCBI Official Full Name	NLR family member X1
NCBI Official Synonym Full Names	NLR family member X1
NCBI Official Symbol	NLRX1
NCBI Official Synonym Symbols	NOD5; NOD9; NOD26; DLNB26; CLR11.3
NCBI Protein Information	NLR family member X1
UniProt Protein Name	NLR family member X1
UniProt Gene Name	NLRX1
UniProt Synonym Gene Names	NOD26; NOD5; NOD9; CLR11.3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nlr1-antibody-immunohistochemistry-western-blot-elisa/322950>