

NLRX1 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15201**Specification**

NLRX1 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q86UT6
Other Accession	NM_024618 , NP_078894
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	107kDa KDa

NLRX1 Antibody - C-terminal region - Additional Information**Gene ID** 79671**Alias Symbol** **CLR11.3, DLNB26, FLJ21478, MGC131937, MGC21025, NOD26, NOD5, NOD9****Other Names**

NLR family member X1, Caterpillar protein 11.3, CLR11.3, Nucleotide-binding oligomerization domain protein 26, Nucleotide-binding oligomerization domain protein 5, Nucleotide-binding oligomerization domain protein 9, NLRX1, NOD26, NOD5, NOD9

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-NLRX1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

NLRX1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

NLRX1 Antibody - C-terminal region - Protein Information**Name** NLRX1**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). Also regulates 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). Regulates viral mediated-inflammation and energy metabolism in a sex-dependent manner (By similarity). In females, prevents uncontrolled inflammation and energy metabolism and thus, may contribute to the sex differences observed in infectious and inflammatory diseases (By similarity).

Cellular Location

Mitochondrion outer membrane

Tissue Location

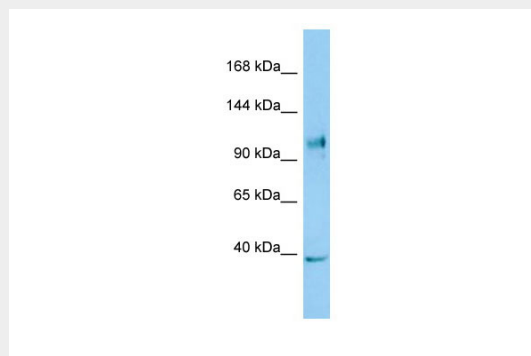
Ubiquitously expressed. Strongest expression in mammary gland, heart and muscle. Detected in HeLa, HEK293T, THP-1, HL- 60, Raji and Jurkat cell lines (at protein level)

NLRX1 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NLRX1 Antibody - C-terminal region - Images



Host: Rabbit

Target Name: NLRX1

Sample Tissue: COLO205 Whole cell lysate

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Antibody Dilution: 1.0µg/ml

NLRX1 Antibody - C-terminal region - References

Inohara N., et al. Nat. Rev. Immunol. 3:371-382(2003).

Kronos K., et al. Submitted (FEB-2007) to the EMBL/GenBank/DDBJ databases.

Kubo T.,et al.Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Inohara N.,et al.Annu. Rev. Biochem. 74:355-383(2005).