

NLRX1 / NOD9 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3143a

Specification

**NLRX1 / NOD9 Antibody (internal region) -
Product Information**

Application	WB
Primary Accession	Q86UT6
Other Accession	NP_078894.2 , NP_733840.1 , 79671
Reactivity	Human
Predicted	Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	107616

**NLRX1 / NOD9 Antibody (internal region) -
Additional Information**

Gene ID 79671

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

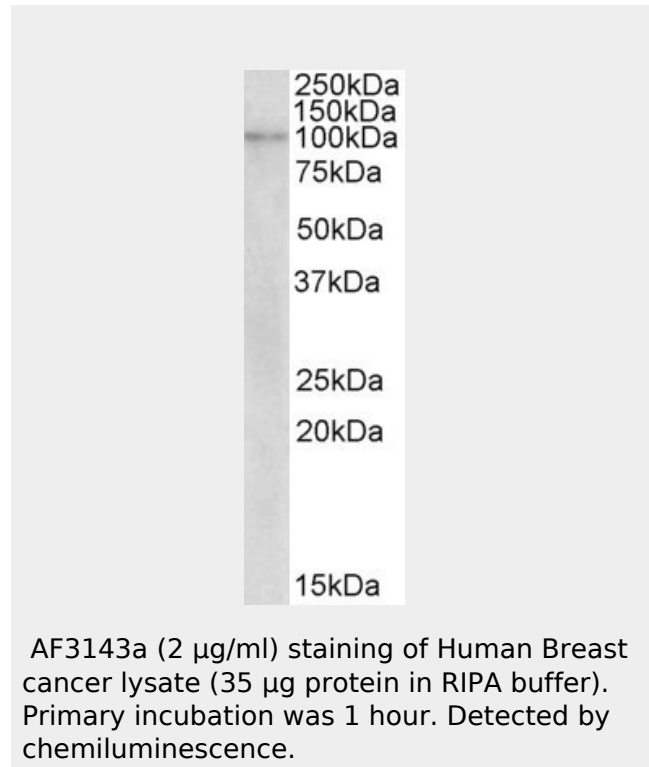
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NLRX1 / NOD9 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.



**NLRX1 / NOD9 Antibody (internal region) -
Background**

This antibody is expected to recognize both reported isoforms (NP_078894.2; NP_733840.1).

**NLRX1 / NOD9 Antibody (internal region) -
References**

NLRX1 is a mitochondrial NOD-like receptor that amplifies NF-kappaB and JNK pathways by inducing reactive oxygen species production. Tattoli I, Carneiro LA, J  hann M, Magalhaes JG, Shu Y, Philpott DJ, Arnoult D, Girardin SE, EMBO reports 2008 Mar 9 (3): 293-300. PMID: 18219313

**NLRX1 / NOD9 Antibody (internal region) -
Protein Information****Name** NLRX1**Synonyms** NOD26, NOD5, NOD9**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).

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 / NOD9 Antibody (internal 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](#)