

# NOD5 Antibody

Catalog No: #25177

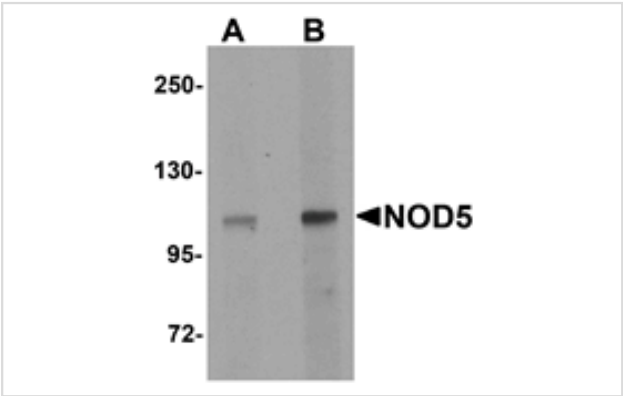


Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

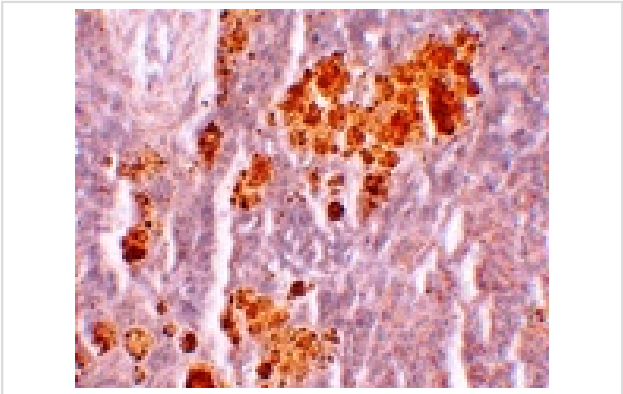
## Description

Product Name	NOD5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide near the amino terminus of human NOD5.
Target Name	NOD5
Other Names	Nucleotide-binding oligomerization domain containing 5, NOD9, NOD26, DLNB26, CLR11.3, NLRX1
Accession No.	Swiss-Prot:Q86UT6Gene ID:79671
Uniprot	Q86UT6
GeneID	79671;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Images



Western blot analysis of NOD5 in rat spleen tissue cell lysate with NOD5 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of NOD5 in rat spleen tissue with NOD5 antibody at 10 ug/mL.

## Background

---

NOD5, also known as NLRX1, is a member of the NOD (nucleotide-binding oligomerization domain) family, a group of proteins that are involved in innate immune defense. NOD5 localizes to the mitochondrial outer membrane and interacts with the virus-induced signaling adapter protein VISA. Unlike a subset of NOD-like receptors (NLRs) such as NOD1 and NOD2 which trigger pro-inflammatory cascades, and other NLRs that induce the caspase 1 inflammasome in response to immune challenges, NOD5 amplifies NF- $\kappa$ B and JNK pathways by inducing reactive oxygen species production.

---

Note: This product is for in vitro research use only