Rabbit anti-Human, Mouse NLRC5 / NOD4 Polyclonal Antibody | anti-NLRC5 antibody

Rabbit Polyclonal to Human NLRC5 / NOD4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51424	**Rabbit**	**Human, Mouse**	**ELISA, Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

NLRC5 / NOD4; Polyclonal Antibody; Rabbit Polyclonal to Human NLRC5 / NOD4; Anti-NLRC5 / NOD4 Antibody (N-Terminus) IHC-plus; NLRC5; CLR16.1; NOD-like receptor C5; NOD27; NOD4; Protein NLRC5; Caterpiller protein 16.1; Human NLRC5; anti-NLRC5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NOD4 antibody is predicted to not cross-react with other members of the NOD family of proteins.
Purity/Purification	Peptide Column Affinity Chromatography
Form/Format	PBS containing 0.02% Sodium Azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	1866
Applicable Applications for anti-NLRC5 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Immunogen Species	NLRC5 / NOD4 antibody was raised against Human
Immunogen Type	Synthetic peptide
Immunogen	NLRC5 / NOD4 antibody was raised against an 18 AA synthetic peptide near the N-Terminus of human NOD4. The immunogen is located within aa 20-70 of NOD4.
Usage	NOD4 antibody can be used for detection of NOD4 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Western Blot: 205 kDa
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: **Tissue Preparation:** Formalin fixation and embedding in paraffin wax. **Tissue Sectioning:** Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. **Deparaffinization:** Wash dry slides in 3 changes of xylene - 5 minutes each @ RT **Rehydration:** Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT **Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT **Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT **Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4°C for up 3 months. Store at -20°C for up to 1 year. Avoid freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western blot analysis of NOD4 in EL4 cell lysate with NOD4 antibody at 1 ug/ml.

ICC (Immunocytochemistry)
Immunocytochemistry of NOD4 in HeLa cells with NOD4 antibody at 10 ug/ml.

IF (Immunofluorescence)
Immunofluorescence of NOD4 in HeLa cells with NOD4 antibody at 20 ug/ml.

IHC (Immunohistochemistry)
Anti-NLRC5 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116268109
NCBI GeneID	84166
NCBI Accession #	NP_115582.3
NCBI GenBank Nucleotide #	NM_032206.3
UniProt Accession #	Q86WI3; Q6P4A6; Q86VM7; Q8NF42; Q8TEE2; Q8TEJ1; Q969L7; B5MEF1; C9JMD8
NCBI Official Full Name	protein NLRC5
NCBI Official Synonym Full Names	NLR family, CARD domain containing 5
NCBI Official Symbol	NLRC5
NCBI Official Synonym Symbols	NOD4; NOD27; CLR16.1
NCBI Protein Information	protein NLRC5; NOD-like receptor C5; caterpiller protein 16.1; nucleotide-binding oligomerization domains 27; nucleotide-binding oligomerization domain protein 4; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 5
UniProt Protein Name	Protein NLRC5
UniProt Gene Name	**NLRC5**
UniProt Synonym Gene Names	NOD27; NOD4; CLR16.1
UniProt Entry Name	NLRC5_HUMAN

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/nlrc5-nod4-antibody-western-blot-immunohistochemistry-elisa/51424