

Rabbit anti-Mouse TLR1 Polyclonal Antibody | anti-Tlr1 antibody

Mouse TLR1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286951	Rabbit	Mouse	Immunohistochemistry, ELISA, Western Blot

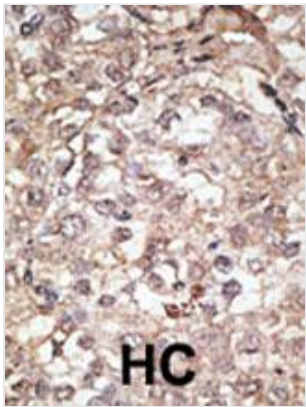
PRODUCT SYNONYMS

TLR1; Polyclonal Antibody; Mouse TLR1 Antibody (C-term); Toll-like receptor 1; Toll/interleukin-1 receptor-like protein; TIL; CD281; Tlr1; anti-Tlr1 antibody

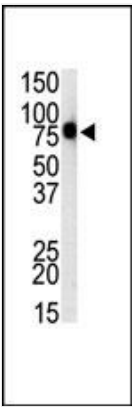
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse TLR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 764-795 amino acids from the C-terminal region of mouse TLR1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	764-795
Sequence Length	795
Applicable Applications for anti-Tlr1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-mTLR1 Pab in mouse spleen cell lysate. mTLR1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-Tlr1 antibody	Higher animals establish host defense by orchestrating innate and adaptive immunity. This is mediated by professional antigen presenting cells, i.e. dendritic cells (DCs). DCs can incorporate pathogens, produce a variety of cytokines, maturate, and present pathogen-derived peptides to T cells, thereby inducing T cell activation and differentiation. These responses are triggered by microbial recognition through type I transmembrane proteins, Toll-like receptors (TLRs) on DCs. TLRs consist of ten members and each TLR is involved in recognizing a variety of microorganism-derived molecular structures. TLR ligands include cell wall components, proteins, nucleic acids, and synthetic chemical compounds, all of which can activate DCs as immune adjuvants. Each TLR can activate DCs in a similar, but distinct manner. For example, TLRs can be divided into subgroups according to their type I interferon (IFN) inducing ability. TLR2 cannot induce IFN-alpha or IFN-beta, but TLR4 can lead to IFN-beta production. Meanwhile, TLR3, TLR7, and TLR9 can induce both IFN-alpha and IFN-beta. Recent evidences suggest that cytoplasmic adapters for TLRs are especially crucial for this functional heterogeneity.
Product Categories/Family for anti-Tlr1 antibody	Immunology; Signal Transduction
References	Hajjar, A.M., et al., J. Immunol. 166(1):15-19 (2001). Ozinsky, A., et al., Proc. Natl. Acad. Sci. U.S.A. 97(25):13766-13771 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	449784903
NCBI GeneID	21897
NCBI Accession #	NP_001263374.1; NP_109607.1
NCBI GenBank Nucleotide #	NM_001276445.1
UniProt Accession #	Q9EPQ1; Q9EPW5
Molecular Weight	90673
NCBI Official Full Name	toll-like receptor 1
NCBI Official Synonym Full Names	toll-like receptor 1
NCBI Official Symbol	Tlr1
NCBI Protein Information	toll-like receptor 1
UniProt Protein Name	Toll-like receptor 1

UniProt Gene Name	Tlr1
UniProt Synonym Gene Names	TIL
UniProt Entry Name	TLR1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tlr1-antibody-immunohistochemistry-western-blot-elisa/286951>