TLR6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TLR6, Polyclonal Antibody
Full Product Name	TLR6 Polyclonal Antibody
Product Gene Name	anti-TLR6 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	92kDa
OMIM	605403
3D Structure	ModBase 3D Structure for Q9Y2C9
Immunogen	Recombinant protein of human TLR6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TLR6 antibody	Western Blot (WB)
Application Notes for anti-TLR6 antibody	WB 1:500 - 1:2000
Related Product Information for anti-TLR6 antibody	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor functionally interacts with toll-like receptor 2 to mediate cellular response to bacterial lipoproteins. A Ser249Pro polymorphism in the extracellular domain of the encoded protein may be associated with an increased of asthma is some populations.
Other Notes	Small volumes of anti-TLR6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TLR6 purchase	MBS9128780 is an antibody targeting TLR6. Also known as TLR6 Polyclonal Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR6. It may not necessarily be applicable to this product.

NCBI GI #	20143971
NCBI GeneID	10333
NCBI Accession #	NP_006059.2

UniProt Primary Accession #	Q9Y2C9
UniProt Secondary Accession #	Q2NKL3; B3Y640; B6CH35; B6RFS4; B6RFS5
UniProt Related Accession #	Q9Y2C9
GenBank Nucleotide #	NM_006068.4
NCBI Official Full Name	toll-like receptor 6
NCBI Official Synonym Full Names	toll-like receptor 6
NCBI Official Symbol	TLR6
NCBI Official Synonym Symbols	CD286
UniProt Protein Name	Toll-like receptor 6
UniProt Synonym Protein Names	CD_antigen: CD286
UniProt Gene Name	TLR6
UniProt Entry Name	TLR6_HUMAN
NCBI Protein Information	toll-like receptor 6
UniProt Comments for TLR6	TLR6: Participates in the innate immune response to Gram- positive bacteria and fungi. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR2. Belongs to the Toll-like receptor family. Protein type: Receptor, misc.; Membrane protein, integral Chromosomal Location of Human Ortholog: 4p14 Cellular Component: phagocytic vesicle membrane; integral to plasma membrane; plasma membrane Molecular Function: transmembrane receptor activity; protein heterodimerization activity; receptor activity; diacylated lipoprotein binding Biological Process: positive regulation of JNK activity; T-helper 1 type immune response; regulation of cytokine secretion; positive regulation of I-kappaB kinase/NF-kappaB cascade; detection of diacylated bacterial lipoprotein; positive regulation of interleukin-6 biosynthetic process; activation of NF-kappaB-inducing kinase; signal transduction; toll-like receptor 2 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; defense response to bacterium; toll-like receptor 6 signaling pathway; toll-like receptor signaling pathway; innate immune response; immune response; inflammatory response; toll-like receptor 4 signaling pathway
Research Articles on TLR6	**1.** Genetic variation rs5743565 in TLR1 might be associated with the decreased susceptibility to Graves disease, whlie polymorphisms in TLR6 and TLR10 did not reach the statistical significance.
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