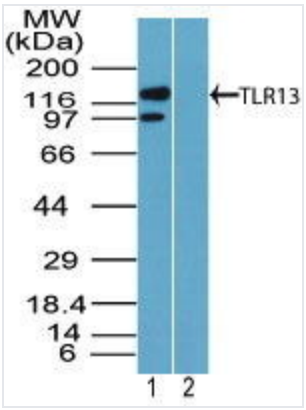
TLR13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TLR13, Polyclonal Antibody
Full Product Name	TLR13 (Toll Like Receptor 13, Toll-like Receptor 13)
Product Gene Name	anti-Tlr13 antibody
Product Synonym Names	Anti -TLR13 (Toll Like Receptor 13, Toll-like Receptor 13)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	Supplied as a liquid in PBS, 0.05% BSA, 0.05% sodium azide.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes mouse TLR13. Species Crossreactivity: rat.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	114,443 Da
Chromosome Location	Chromosome: X; NC_000086.7 (106143275..106160493). Location: X D; X
3D Structure	ModBase 3D Structure for Q6R5N8
Immunogen	Synthetic peptide corresponding to aa800 to 850 of mouse TLR13.
Product Categories/Family for anti-Tlr13 antibody	Antibodies; Abs to Toll Like Receptors (TLR)
Applications Tested/Suitable for anti-Tlr13 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-Tlr13 antibody	Suitable for use in ELISA and Western Blot. Dilution: Western Blot: 1-3ug/ml
Related Product Information for anti-Tlr13 antibody	TLR13, also known as Toll like receptor 13, is a member of the Toll-like receptor (TLR) family of transmembrane proteins comprised of multiple copies of leucine rich repeats in the extracellular domain and a TIR domain. The exact function of this 991aa containing protein is yet unknown, but reports suggest that it is closely related to TLR3 and participates in the innate immune response to microbial agents. TLR13 binds to and acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and inflammatory response.
Other Notes	Small volumes of anti-Tlr13 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 Tlr13 purchase	MBS641406 is an antibody targeting Tlr13. Also known as TLR13 (Toll Like Receptor 13, Toll-like Receptor 13). Reactive in Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-Tlr13 antibody
Western blot analysis of TLR13 in rat corpus (tissue is from male rat reproductive tract) lysate in the 1) absence and 2) presence of immunizing peptide using MBS641406 at 1ug/ml. goat anti-rabbit Ig HRP secondary antibody and ECL substrate solution were used for this test.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tlr13. It may not necessarily be applicable to this product.

NCBI GI #	45429999
NCBI GeneID	279572
NCBI Accession #	NP_991389.1
UniProt Primary Accession #	Q6R5N8
UniProt Secondary Accession #	Q148Y7; Q3TDS2
UniProt Related Accession #	Q6R5N8
GenBank Nucleotide #	NM_205820.1
NCBI Official Full Name	toll-like receptor 13
NCBI Official Synonym Full Names	toll-like receptor 13
NCBI Official Symbol	Tlr13
NCBI Official Synonym Symbols	Gm713; AI666735
UniProt Protein Name	Toll-like receptor 13
Protein Family	Toll-like receptor
UniProt Gene Name	Tlr13
UniProt Entry Name	TLR13_MOUSE
NCBI Protein Information	toll-like receptor 13

UniProt Comments for Tlr13	TLR13: Component of innate and adaptive immunity that recognizes and binds 23S rRNA from bacteria. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Specifically binds the 5'-CGGAAAGACC-3' sequence on bacterial 23S rRNA, a sequence also bound by MLS group antibiotics (including erythromycin). May also recognize vesicular stomatitis virus; however, these data require additional evidences. Belongs to the Toll-like receptor family. Protein type: Membrane protein, integral; Receptor, misc. Cellular Component: membrane; cytoplasm; integral to membrane; endosome Molecular Function: rRNA binding; protein binding; protein homodimerization activity; RNA binding Biological Process: toll-like receptor 13 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; immune system process; response to virus; regulation of MAPKKK cascade; innate immune response; inflammatory response; signal transduction
Research Articles on Tlr13	**1.** TLR13 activation contributes to the innate response to Gram-positive bacteria, identifying TLR13 as a receptor for bacterial RNA.
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