

TLR11 Rabbit pAb

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Catalog # AP58051

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6R5P0
Predicted	Rat, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	105873
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse TLR11
Epitope Specificity	401-500/926
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Toll like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors. TLR11 is one of three mouse TLRs that lack a human ortholog. It is activated specifically by uropathogenic bacteria, and mice lacking TLR11 showed a much greater susceptibility to uropathogenic infections, indicating a potentially important role for TLR11 in preventing infections in the urogenital system.

Additional Information

Gene ID	239081
Other Names	Toll-like receptor 11, Toll-like receptor 12, Tlr11 {ECO:0000303 PubMed:14993594, ECO:0000312 MGI:MGI:3045226}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Tlr11 {ECO:0000303 PubMed:14993594, ECO:0000312 MGI:MGI:3045226}
Function	Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
Cellular Location	Membrane; Single-pass type I membrane protein

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.