Anti-TLR9 (RABBIT) Antibody - 600-401-A69

Code: 600-401-A69 **Size:** 100 µg

Product Description: Anti-TLR9 (RABBIT) Antibody - 600-401-A69

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	TLR9
Species Reactivity	human, mouse, rat
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	CD 289 antibody, CD289 antibody, TLR 9 antibody, Toll like receptor 9 antibody, Toll like receptor 9 isoform A precursor antibody, Toll like receptor 9 isoform B antibody
Application Note	This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~94 kDa in size corresponding to TLR9 by western blotting in the appropriate cell lysate or extract. Jurkat cell lysate can be used as a positive control.
Background	Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. TLR9 forms a subfamily along with TLR7 and TLR8 that recognize viral RNA and CpG DNA sequences and are localized in intracellular acidic compartments such as the phagolysosome. Unlike other TLRs which act through adaptor molecules such as TOLLIP, TIRAP, TRIF, and MyD88 to activate various kinases and transcription factors to respond to potential infection, TLR9 is strictly dependent on MyD88.
Purity And Specificity	This affinity purified antibody is directed against human TLR9 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is reactive with TLR9 from human, mouse and rat sources. Cross reactivity with TLR9 from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:10,000 - 1:40,000
Immunohistochemistry	2 ug/ml
WESTERN BLOT	0.5-2 ug/ml
IHC	2 ug/ml
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human toll-like receptor 9 (TLR9) protein.

Related Products

009-001-310	IL-6 Human Recombinant Protein - 009-001-310
009-001-B50	IL-33 Human Recombinant Protein - 009-001-B50
009-001-B92	IL-3 Recombinant Human Protein - 009-001-B92

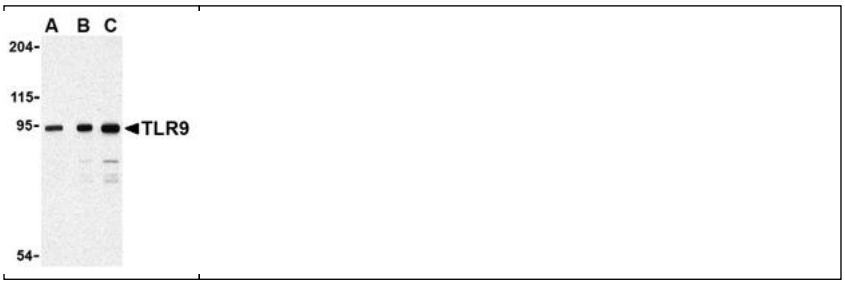
009-001-B93	IL-4 Human Recombinant Protein - 009-001-B93

Related Links

NCBI - AAZ95520.1	http://www.ncbi.nlm.nih.gov/protein/AAZ95520.1
NCBI - AAZ95520.1	http://www.ncbi.nlm.nih.gov/protein/AAZ95520.1
UniProt - D1CS56	http://www.uniprot.org/uniprot/D1CS56
GeneID - 54106	http://www.ncbi.nlm.nih.gov/gene/54106

Images

1	Western Blot of Rabbit Anti-TLR-9 Antibody. Lane 1: Jurkat whole cell lysate using 0.5 µg/ml. Lane 2: Jurkat whole cell lysate using 1.0 µg/ml.Lane 3: Jurkat whole cell lysate using 2.0 µg/ml. Load: 10 µg per lane.Primary antibody: TLR 9 antibody overnight at 4°C.Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT.Block: 5% BLOTTO overnight at 4°C.Predicted/Observed size: 116 kDa, ~94 kDa for TLR9.Other band(s): none.



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