

TLR9 Antibody

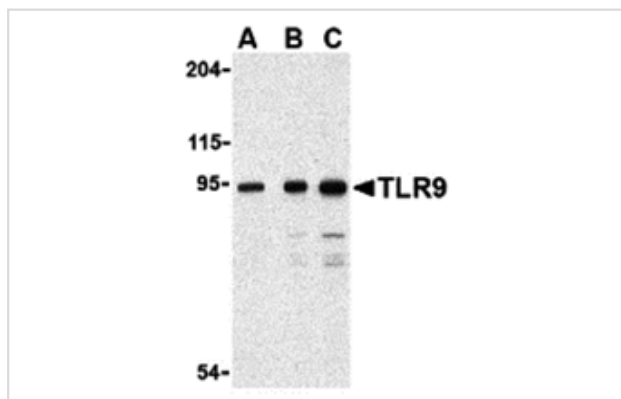
Catalog No: #24387

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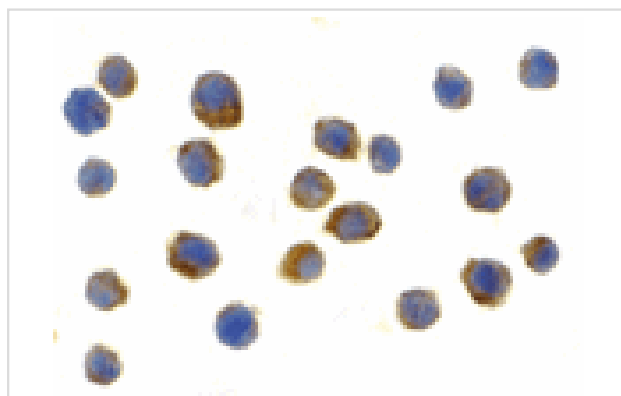
Description

Product Name	TLR9 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 15 amino acids near the center of human TLR9.
Target Name	TLR9
Other Names	Toll-like receptor 9, CD289
Accession No.	Swiss-Prot:Q9NR96Gene ID:54106
Uniprot	Q9NR96
GeneID	54106;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at 4Λ C.

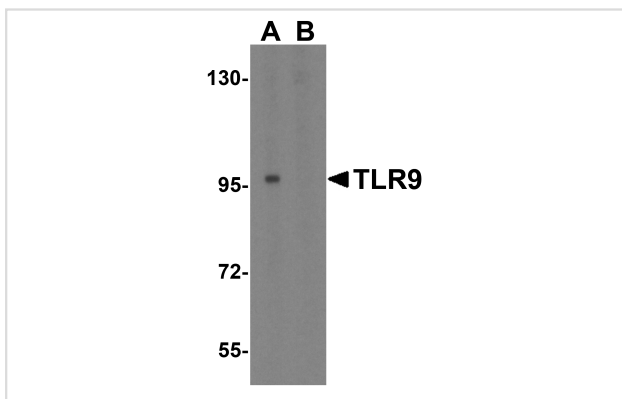
Images



Western blot analysis of TLR9 in Jurkat cell lysate with TLR9 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunocytochemistry of TLR9 in Jurkat cells with TLR9 antibody at 2 ug/mL.



Western blot analysis of TLR9 in Jurkat cell lysate with TLR9 antibody at 1 $\mu\text{g}/\text{mL}$ in (A) the absence and (B) the presence of blocking peptide

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.

Note: This product is for in vitro research use only