

Anti-TLR7 (RABBIT) Antibody - 200-401-A64

Code: 200-401-A64

Size: 100 µg

Product Description: Anti-TLR7 (RABBIT) Antibody - 200-401-A64

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

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	TLR7
Species Reactivity	human
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	PRO285 antibody, Toll like receptor 7 antibody, UNQ248 antibody
Application Note	TLR7 Antibody has been tested for use in ELISA, immunohistochemistry and western blotting. Expect a band at ~121 kDa in size corresponding to TLR7 by western blotting in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
Background	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. TLR7, like TLRs 3, 8, and 9, is localized in intracellular acidic compartments such as the phagolysosome and will recognize some single-stranded RNA viruses such as vesicular stomatitis virus (VSV) and influenza virus. Activation of TLR7 by VSV results in stimulation of the immune response including IFN secretion, suggesting the importance of TLR7 in virus recognition. Anti-TLR7 antibody is ideal for investigators involved in kinases, phosphatase, cytokines, growth factors and transcription factor research.
Purity And Specificity	Anti-TLR7 Antibody was purified from monospecific antiserum. This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. A BLAST analysis was used to suggest cross-reactivity with TLR7 with Human and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with TLR7 from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:10,000 - 1:40,000
Western Blot	1 -2 µg/ml
Immunohistochemistry	2 µg/ml
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	TLR7 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide corresponding to an internal region of mouse TLR7.
General Reference	Vogel SN, Fitzgerald KA, and Fenton MJ. TLRs: differential adapter utilization by toll-like receptors mediates TLR-specific patterns of gene expression. Mol. Interv. 2003; 3:466-77. Takeda K, Kaisho T, and Akira S. Toll-like receptors. Annu. Rev. Immunol. 2003; 21:335-76. Janeway CA Jr. and Medzhitov R. Innate immune recognition. Annu. Rev. Immunol. 2002; 20:197-216. O'Neill LAJ, Fitzgerald FA, and Bowie AG. The Toll-IL-1 receptor adaptor family grows to five members. Trends in Imm. 2003; 24:286-9.
Related Products	

100-401-264

Anti-NFκB p65 (Rel A) pS276 (RABBIT) Antibody - 100-401-264

100-401-266 Anti-NFKB p65 (Rel A) pS529 (RABBIT) Antibody - 100-401-266

100-4164 Anti-NFKB p50 (NFKB1) (RABBIT) Antibody - 100-4164

100-4185 Anti-NFKB p52 (RABBIT) Antibody - 100-4185

Related Links

UniProtKB - P58681

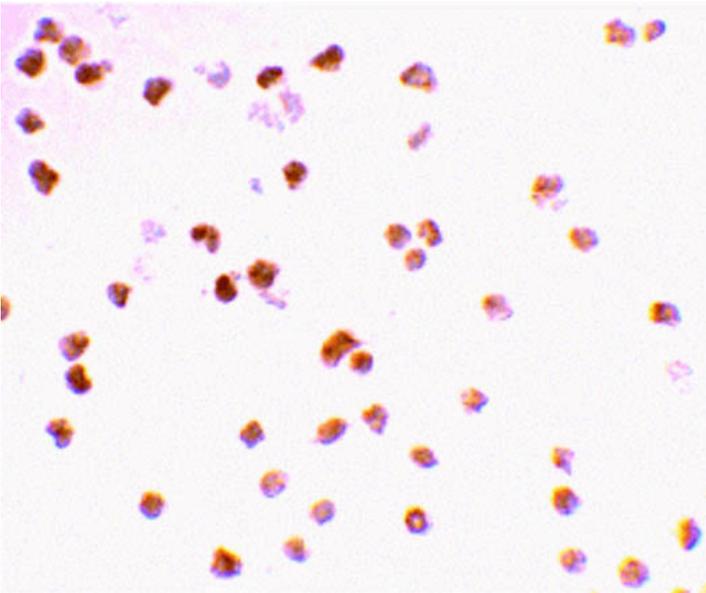
<http://www.uniprot.org/uniprot/P58681>

NCBI - 18875360 <http://www.ncbi.nlm.nih.gov/protein/18875360>

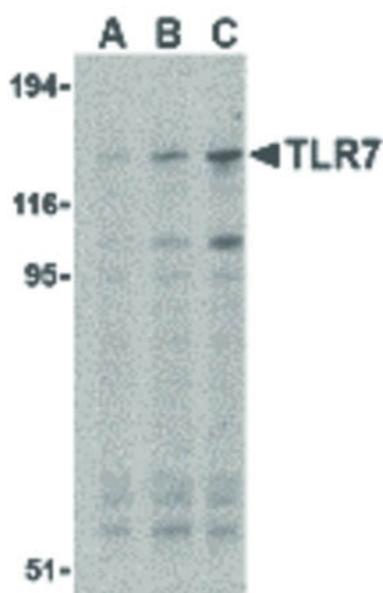
GenElD - 170743

Images

1 Immunocytochemistry of Rabbit Anti-TRL Antibody. Tissue: Daudi Cells. Primary Antibody: Anti-TRL7 at 2µg/mL.



2 Western Blot of Rabbit Anti-TRL7 Antibody. Primary Antibody: Anti-TRL7 probed at concentration Lane A: 0.5µg/mL; Lane B: 1.0µg/mL Daudi cell lysates; Lane C: 2.0µg/mL in Daudi cell lysates.



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