ARG54656
anti-TLR3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TLR3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TLR3
Immunogen	Synthetic peptide (15 aa) within aa. 780-830 of Human TLR3.
Conjugation	Un-conjugated
Alternate Names	Toll-like receptor 3; CD antigen CD283; CD283; IIAE2

Application Instructions

Application table

Application	Dilution
ELISA	Assay-Dependent
ICC/IF	ICC: 1 µg/ml; IF: 10 µg/ml
IHC-P	1 - 10 µg/ml
WB	1 - 2 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Daudi Cell Lysate

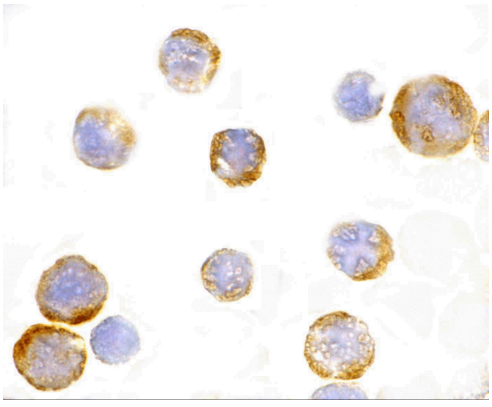
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

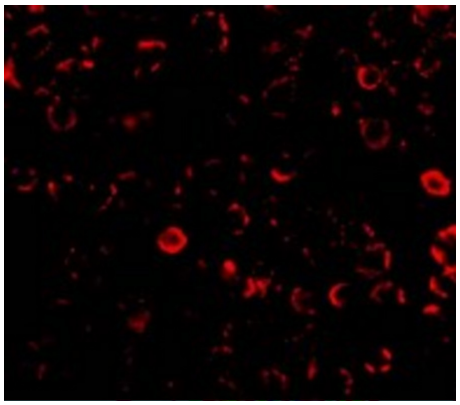
Database links	GeneID: 142980 Mouse GeneID: 7098 Human Swiss-port # O15455 Human Swiss-port # Q99MB1 Mouse
Gene Symbol	TLR3
Gene Full Name	toll-like receptor 3
Background	TLR3 Antibody: Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins 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. The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors so the organism can respond to potential infection. TLR3 is known to recognize viral double-stranded (ds) RNA, a molecular pattern associated with viral infection. Recently it has been shown to recognize viruses such as Influenza A and West Nile Virus and can mediate entry of at least West Nile Virus. |
Highlight	Related products: TLR3 Antibody antibodies; Anti-Rabbit IgG secondary antibodies; Related poster download: Toll-like Receptor.pdf
Research Area	Immune System antibody; Microbiology and Infectious Disease antibody; Signaling Transduction antibody
Calculated Mw	104 kDa
PTM	Heavily N-glycosylated, except on that part of the surface of the ectodomain that is involved in ligand binding. TLR3 signaling requires a proteolytic cleavage mediated by cathepsins CTSB and CTSH, the cleavage occurs between amino acids 252 and 346. The cleaved form of TLR3 is the predominant form found in endosomes.

Images



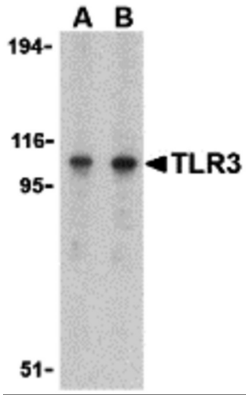
ARG54656 anti-TLR3 antibody ICC/IF image

Immunocytochemistry: EL4 cells stained with ARG54656 anti-TLR3 antibody at 1 µg/ml.



ARG54656 anti-TLR3 antibody ICC/IF image

Immunofluorescence: EL4 cells stained with ARG54656 anti-TLR3 antibody at 10 µg/ml.



ARG54656 anti-TLR3 antibody WB image

Western blot: Daudi cell lysate stained with ARG54656 anti-TLR3 antibody at (A) 1 and (B) 2 µg/ml.