

Rabbit anti-Human TLR3 Polyclonal Antibody | anti-TLR3 antibody

Anti-TLR3 Antibody, Rabbit Polyclonal

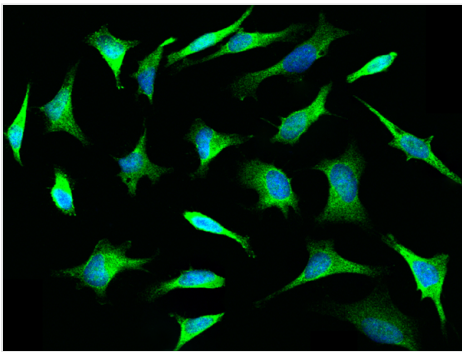
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255070	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

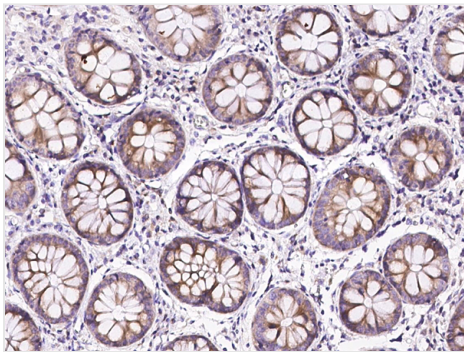
TLR3; Polyclonal Antibody; Anti-TLR3 Antibody; Rabbit Polyclonal; TLR3/CD283 Antibody; Rabbit PAb; Antigen Affinity Purified; toll like receptor 3; Anti-CD283 Antibody; Anti-IIAE2 Antibody; anti-TLR3 antibody

PRODUCT SPECIFICATIONS

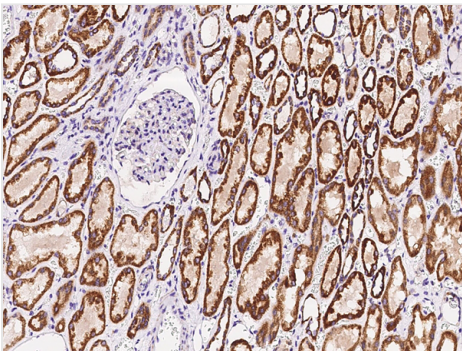
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TLR3/CD283
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TLR3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human TLR3/CD283
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human TLR3/CD283, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of TLR3 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human TLR3 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)
Immunochemical staining of human TLR3 in human colon with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human TLR3 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR3 antibody	Toll-like receptor 3 (TLR3) also known as CD283 (cluster of differentiation 283) is a member of the Toll-like receptor family of pattern recognition receptors of the innate immune system. TLR3/CD283 plays a fundamental role in pathogen recognition and activation of innate immunity. TLR3 is a nucleotide-sensing TLR that is activated by double-stranded RNA, a sign of viral infection. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses.
Product Categories/Family for anti-TLR3 antibody	Neuroinflammation Cancer Drug Targets
References	Muzio M, et al.. (2000) Differential expression and regulation of toll-like receptors (TLR) in human leukocytes: selective expression of TLR3 in dendritic cells. J Immunol. 164(11): 5998-6004. Doyle S, et al.. (2002) IRF3 mediates a TLR3/TLR4-specific antiviral gene program. Immunity. 17(3): 251-63. Choe J, et al.. (2005) Crystal structure of human toll-like receptor 3 (TLR3) ectodomain. Science. 309(5734): 581-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	86161330
NCBI GeneID	7098

UniProt Accession #	O15455; Q4VAL2
Molecular Weight	103,829 Da
NCBI Official Full Name	TLR3
NCBI Official Synonym Full Names	toll-like receptor 3
NCBI Official Symbol	TLR3
NCBI Official Synonym Symbols	CD283; IIAE2
NCBI Protein Information	toll-like receptor 3
UniProt Protein Name	Toll-like receptor 3
UniProt Gene Name	TLR3
UniProt Entry Name	TLR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tlr3-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/255070>