

Rabbit TLR7 Polyclonal Antibody | anti-TLR7 antibody

Anti-TLR7 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45058	Rabbit	Human, Rat, Mouse	Immunohistochemistry, Western Blot

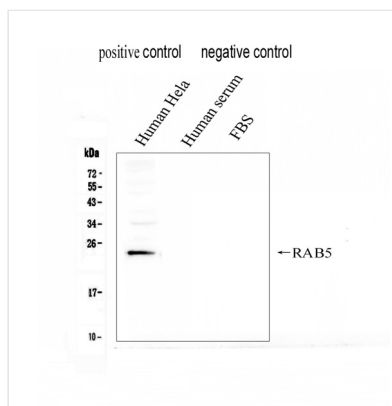
PRODUCT SYNONYMS

TLR7; Polyclonal Antibody; Anti-TLR7 antibody; Toll-like receptor 7; toll-like receptor 7; PRO285 antibody; TLR 7 antibody; Tlr7 antibody; TLR7_HUMAN antibody; Toll like receptor 7 antibody; Toll-like receptor 7 antibody; UNQ248 antibody; anti-TLR7 antibody

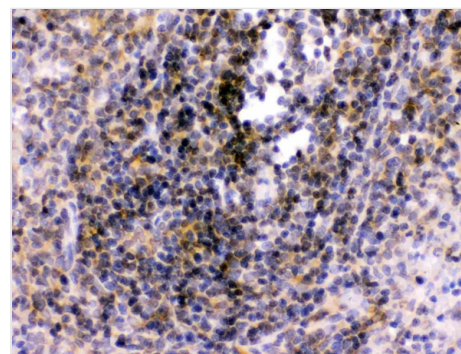
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1049
Applicable Applications for anti-TLR7 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TLR7 (1020-1038aa QAHPYFWQCLKNALATDNH), different from the related rat and mouse sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

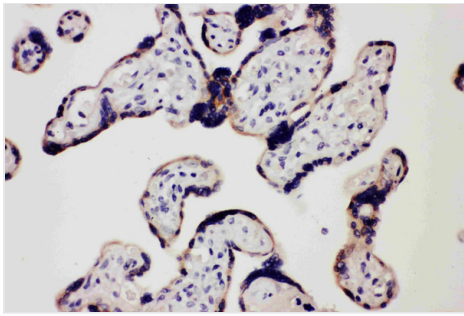


Application Data

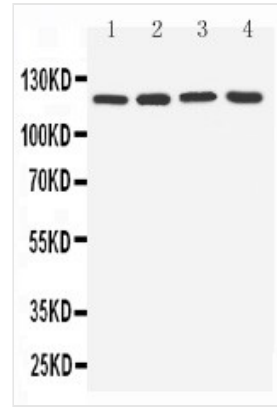


IHC (Immunohistochemistry)

Anti-TLR7 antibody, AAA45058, IHC(P)IHC(P): Rat Spleen Tissue



IHC (Immunohistochemistry)
Anti-TLR7 antibody, AAA45058, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)
Anti-TLR7 antibody, AAA45058, Western blottingLane 1: Rat Spleen Tissue LysateLane 2: Rat Liver Tissue LysateLane 3: U87 Cell LysateLane 4: A549 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TLR7 antibody

Description: Rabbit IgG polyclonal antibody for Toll-like receptor 7(TLR7) detection. Tested with WB, IHC-P in Human, Rat, Mouse.

Background: TLR7(Toll-like receptor 7) is protein that in humans is encoded by the TLR7 gene. Orthologs are found in mammals and birds. TLR7 is a member of the Toll-like receptor(TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. 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 gene is predominantly expressed in lung, placenta, and spleen, and lies in close proximity to another family member, TLR8, on human chromosome X. TLR7 recognises single stranded RNA in endosomes, which is a common feature of viral genomes which are internalised by macrophages.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20140876
NCBI GeneID	51284
UniProt Accession #	Q9NYK1; Q9NR98; D1CS69
Molecular Weight	120,922 Da
NCBI Official Full Name	Toll-like receptor 7
NCBI Official Synonym Full Names	toll-like receptor 7
NCBI Official Symbol	TLR7
NCBI Official Synonym Symbols	TLR7-like
NCBI Protein Information	toll-like receptor 7; toll-like receptor 7-like
UniProt Protein Name	Toll-like receptor 7
UniProt Gene Name	TLR7
UniProt Entry Name	TLR7_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.