

TLR7 Polyclonal Antibody | anti-TLR7 antibody

Anti-TLR7 Antibody

CATALOG # AAA11659	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry
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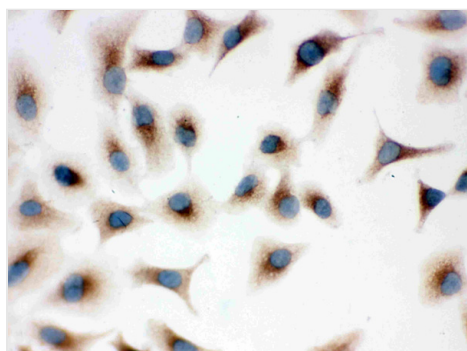
PRODUCT SYNONYMS

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

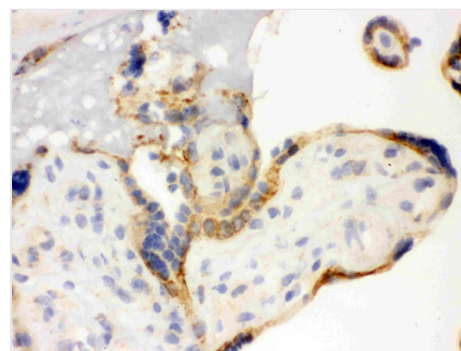
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	1049
Applicable Applications for anti-TLR7 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Application Notes	Western Blot Concentration: 0.1-0.5ug/ml Immunohistochemistry (IHC) Paraffin Concentration: 0.5-1ug/ml Immunohistochemistry (IHC) Formalin Concentration: 0.5-1ug/ml Immunocytochemistry Concentration: 0.5-1ug/ml
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TLR7 (1020-1047aa QAHPYFWQCLKNALATDNHVAYSQVFKE), different from the related mouse sequence by two amino acids.
Ig Type	Rabbit IgG
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 aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

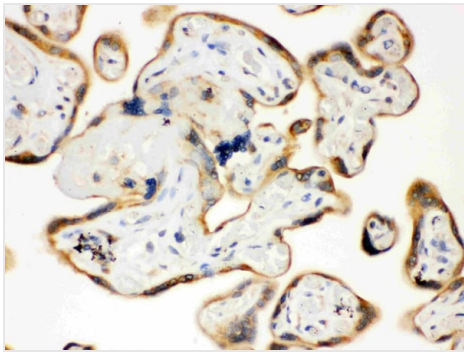
IMAGES



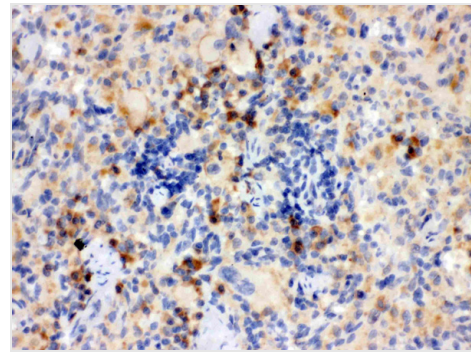
ICC (Immunocytochemistry)
Anti- TLR7 Picoband antibody, AAA11659, ICCIC: A549 Cell



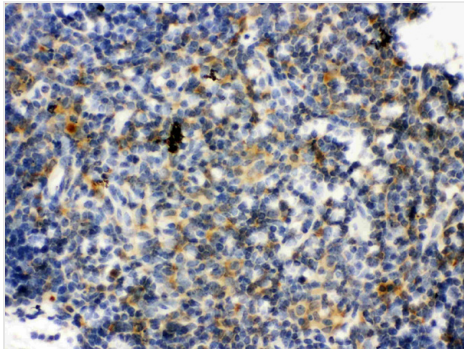
IHC (Immunohistochemistry)
Anti- TLR7 Picoband antibody, AAA11659, IHC(F)IHC(F): Human Placenta Tissue



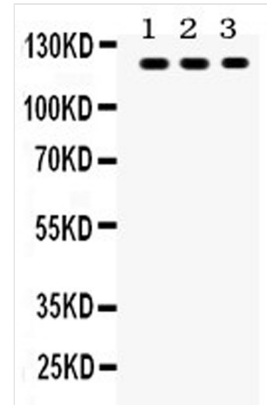
IHC (Immunohistochemistry)
Anti- TLR7 Picoband antibody, AAA11659, IHC(P)IHC(P): Human Placenta Tissue



IHC (Immunohistochemistry)
Anti- TLR7 Picoband antibody, AAA11659, IHC(P)IHC(P): Rat Thymus Tissue



IHC (Immunohistochemistry)
Anti- TLR7 Picoband antibody, AAA11659, IHC(P)IHC(P): Mouse Thymus Tissue



WB (Western Blot)
Anti- TLR7 Picoband antibody, AAA11659, Western blottingAll lanes: Anti TLR7 (AAA11659) at 0.5ug/mlLane 1: MCF-7 Whole Cell Lysate at 40ugLane 2: COLO320 Whole Cell Lysate at 40ugLane 3: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 121KDObserved bind size: 121KD

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, IHC-F, ICC in Human;Mouse;Rat. 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.
References	1. Diebold, S. S., Kaisho, T., Hemmi, H., Akira, S., Reis e Sousa, C. Innate antiviral responses by means of TLR7-mediated recognition of single-stranded RNA. <i>Science</i> 303: 1529-1531, 2004. 2. Hayashi, T., Gray, C. S., Chan, M., Tawatao, R., Ronacher, L., McGargill, M. A., Datta, S. K., Carson, D. A., Corr, M. Prevention of autoimmune disease by induction of tolerance to Toll-like receptor 7. 3. Hemmi, H., Kaisho, T., Takeuchi, O., Sato, S., Sanjo, H., Hoshino, K., Horiuchi, T., Tomizawa, H., Takeda, K., Akira, S. Small anti-viral compounds activate immune cells via the TLR7 MyD88-dependent signaling pathway. <i>Nature Immun.</i> 3: 196-200, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706093
NCBI GeneID	51284
NCBI Accession #	NP_057646.1

NCBI GenBank Nucleotide #	NM_016562.3
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tlr7-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/11659>