



Toll-like Receptor 7 (PT1554R) Rabbit mAb

Catalog No	YP-rAb-18545
Isotype	IgG
Reactivity	Human
Applications	WB、IHC、IF、ELISA
Gene Name	tlr7
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Purification	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Dilution	IHC 1:100-1:200; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#YS0004)
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	tlr7;PRO285 ; TLR 7 ; Tlr7 ; TLR7_HUMAN ; Toll like receptor 7 ; Toll-like receptor 7 ; UNQ248.
Observed Band	140(full length),74(cleaved)kD
Calculated Molecular Weight	121kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Endosome . Lysosome . Cytoplasmic vesicle , phagosome . Relocalizes from endoplasmic reticulum to endosome and lysosome upon stimulation with agonist .
Tissue Specificity	Detected in brain , placenta , spleen , stomach , small intestine , lung and in plasmacytoid pre-dendritic cells. Expressed in peripheral mononuclear blood cells (PubMed:32706371) .
Function	Function:Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6 , leading to NF-kappa-B activation , cytokine secretion and the inflammatory response. ,similarity:Belongs to the Toll-like receptor family. ,similarity:Contains 1 TIR domain. ,similarity:Contains 27 LRR (leucine-rich) repeats. ,subunit:Binds MYD88 via their respective TIR domains. ,tissue specificity:Detected in brain , placenta , spleen , stomach , small intestine , lung and in plasmacytoid pre-dendritic cells. ,
Background	The protein encoded by this gene 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 chromosome X. [provided by RefSeq , Jul 2008] ,

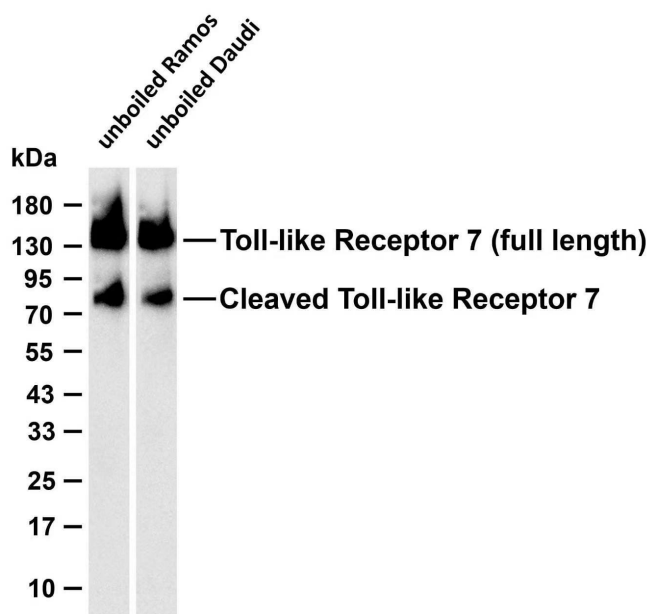
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



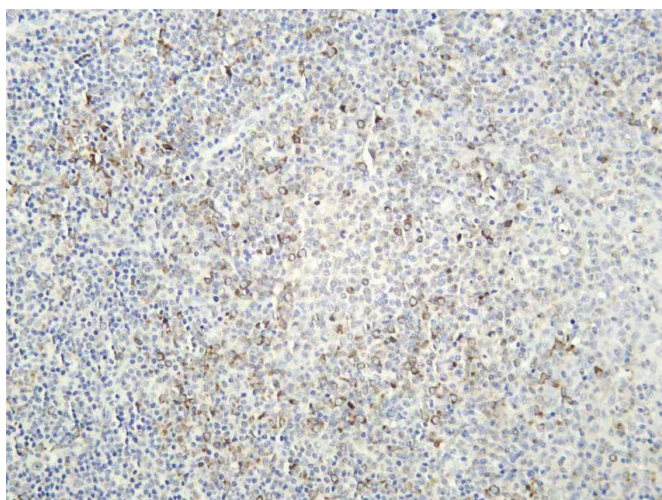
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Toll-like Receptor 7 (PT1554R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: unboiled Ramos

Lane 2: unboiled Daudi

Predicted band size: 121kDa

Observed band size: 140(full length),74(cleaved)kDa



Human tonsil was stained with anti-Toll-like Receptor 7 (PT1554R) Rabbit antibody