

TLR8 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10410**Specification**

TLR8 Antibody - Product Information

Application	WB
Primary Accession	P58682
Other Accession	NP_573475
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	119358

TLR8 Antibody - Additional Information**Gene ID** 170744

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~120 kDa TLR8 in samples from human, mouse and rat origins. Reactivity to other species has not been tested.
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Other Names

LR8 , Anti-TLR8 , CD288 , CD 288 , MGC119599 , # MGC119600

Target/Specificity

TLR8

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

TLR8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TLR8 Antibody - Protein Information

Name Tlr8

Function

Endosomal receptor that plays a key role in innate and adaptive immunity. Controls host immune response against pathogens through recognition of RNA degradation products specific to microorganisms that are initially processed by RNASET2. Upon binding to agonists, undergoes dimerization that brings TIR domains from the two molecules into direct contact, leading to the recruitment of TIR- containing downstream adapter MYD88 through homotypic interaction. In turn, the Myddosome signaling complex is formed involving IRAK4, IRAK1, TRAF6, TRAF3 leading to activation of downstream transcription factors NF-kappa-B and IRF7 to induce pro-inflammatory cytokines and interferons, respectively.

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q9NR97}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9NR97} Note=Endosomal localization confers distinctive proteolytic processing {ECO:0000250|UniProtKB:Q9NR97}

TLR8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TLR8 Antibody - Images**TLR8 Antibody - Background**

The Toll-like receptor (TLR) family in mammalian comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Up-to-date, ten TLRs (TLR1-10) have been described. TLR8 gene contains three exons, two of which have coding function. Expression of TLR receptors is highest in peripheral blood leukocytes, macrophages, and monocytes.