

TLR3 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10324**Specification**

TLR3 Antibody - Product Information

Application	WB
Primary Accession	Q99MB1
Other Accession	EDL35548
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	103671

TLR3 Antibody - Additional Information**Gene ID** 142980**Other Names**

TLR-3 , CD283, Toll-like receptor 3

Target/Specificity

TLR3

Antibody Form

Liquid

Appearance

Colorless liquid

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

TLR3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TLR3 Antibody - Protein Information**Name** Tlr3 {ECO:0000312|MGI:MGI:2156367}**Function**

Key component of innate and adaptive immunity. TLRs (Toll- like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR3 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. Acts via the adapter TRIF/TICAM1, leading to NF-kappa-B activation, IRF3 nuclear translocation, cytokine secretion and the inflammatory response (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein. Endosome membrane {ECO:0000250|UniProtKB:O15455} Early endosome {ECO:0000250|UniProtKB:O15455}

Tissue Location

Highly expressed in lung. After intraperitoneal injection of lipopolysaccharide, highly expressed in brain, heart, kidney, liver, lung and spleen

TLR3 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](#)

TLR3 Antibody - Images**TLR3 Antibody - Background**

To date, at least ten members of the Toll family have been identified. TLRs recognize molecular patterns associated with microbial pathogens and induce antimicrobial immune response. TLR3 recognizes double-stranded (ds) RNA, induces the activation of NF-kB, through MyD88-dependent and -independent pathways, and the production of type I interferons (IFNs). Similar to several other members of the TLR family, TLR3 has been reported to be expressed at a very low level on the surface of human fibroblast cell lines.