

TLR3 Polyclonal Antibody
Purified Goat Polyclonal Antibody
Catalog # ABV11532**Specification**

TLR3 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	O15455
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	103829

TLR3 Polyclonal Antibody - Additional Information**Gene ID** 7098**Other Names**

Toll-like receptor 3, CD283, TLR3

Target/Specificity

TLR3

Formulation

100 ml antigen affinity purified goat anti-human TLR3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

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

TLR3 Polyclonal Antibody - Protein Information**Name** TLR3 ([HGNC:11849](#))**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.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein. Endosome membrane. Early endosome

Tissue Location

Expressed at high level in placenta and pancreas. Also detected in CD11c+ immature dendritic cells. Only expressed in dendritic cells and not in other leukocytes, including monocyte precursors. TLR3 is the TLR that is expressed most strongly in the brain, especially in astrocytes, glia, and neurons

TLR3 Polyclonal 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 Polyclonal Antibody - Images**TLR3 Polyclonal 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- κ B, 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.