

Datasheet

TLR9 polyclonal antibody

Catalog Number: PAB15506

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of TLR9.

Immunogen: A synthetic peptide corresponding to amino acids 1019-1032 of human TLR9.

Host: Rabbit

Reactivity: Human, Primates, Rat

Applications: WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Immunogen has 100% homology to monkey, 92% homology to rat, 86% homology to sheep, porcine and bovine and 85% homology to mouse. This antibody is useful for Western blot, where a band is seen ~120 KDa.

Form: Liquid

Recommend Usage: Western Blot (2 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris-citrate/phosphate, pH 7-8 (0.1% sodium azide)

Storage Instruction: Store at 4°C. Do not freeze.

Entrez GeneID: 54106

Gene Symbol: TLR9

Gene Alias: CD289

Gene Summary: 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 preferentially expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral blood leukocytes. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response. [provided by RefSeq]

References:

1. Toll-like receptors. Takeda K, Kaisho T, Akira S. *Annu Rev Immunol.* 2003;21:335-76. Epub 2001 Dec 19.
2. Innate immune recognition. Janeway CA Jr, Medzhitov R. *Annu Rev Immunol.* 2002;20:197-216. Epub 2001 Oct 4.