

Product Name: TLR9 (4E13) Rabbit Monoclonal Antibody
Catalog #: AMRe18992

Summary

Production Name	TLR9 (4E13) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	TLR9
Alternative Names	CD289; TLR9; Toll like receptor 9; Toll like receptor 9 isoform A precursor; Toll like receptor 9 isoform B;
Gene ID	54106.0
SwissProt ID	Q9NR96.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	116kDa

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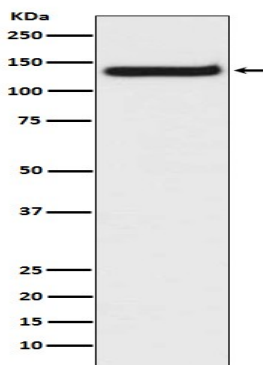


Background

Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR9 is a nucleotide-sensing TLR which is activated by unmethylated cytidine-phosphate-guanosine (CpG) dinucleotides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. 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. TLR9 is a nucleotide-sensing TLR which is activated by unmethylated cytidine- phosphate-guanosine (CpG) dinucleotides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed: [11564765](http://www.uniprot.org/citations/11564765)), PubMed: [17932028](http://www.uniprot.org/citations/17932028)). Controls lymphocyte response to Helicobacter infection (By similarity). Upon CpG stimulation, induces B-cell proliferation, activation, survival and antibody production (PubMed: [23857366](http://www.uniprot.org/citations/23857366)).

Research Area

Image Data



Western blot analysis of TLR9 expression in Raji cell lysate.

Note

For research use only.