




Anti-TLR9 antibody - Aminoterminal end ab53396

[6 References](#) [3 Images](#)

Overview

Product name	Anti-TLR9 antibody - Aminoterminal end
Description	Goat polyclonal to TLR9 - Aminoterminal end
Host species	Goat
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Chimpanzee 
Immunogen	31 amino acid (aa) synthetic peptide SLKYNNLTVVPRNLPSSLEYLLSYNRVKL corresponding to aa 205-235 of the N-terminal domain of Human TLR9  Run BLAST with  Run BLAST with
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.1% Sodium azide Constituents: 0.1% BSA, 0.21% Potassium phosphate, 0.812% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab53396 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

Target

Function

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.

Tissue specificity

Highly expressed in spleen, lymph node, tonsil and peripheral blood leukocytes, especially in plasmacytoid pre-dendritic cells. Levels are much lower in monocytes and CD11c+ immature dendritic cells. Also detected in lung and liver.

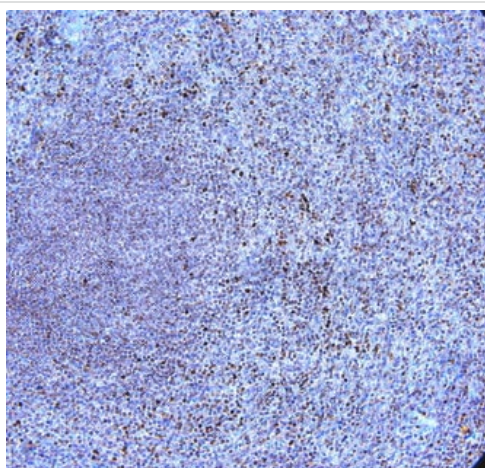
Sequence similarities

Belongs to the Toll-like receptor family.
Contains 26 LRR (leucine-rich) repeats.
Contains 1 TIR domain.

Cellular localization

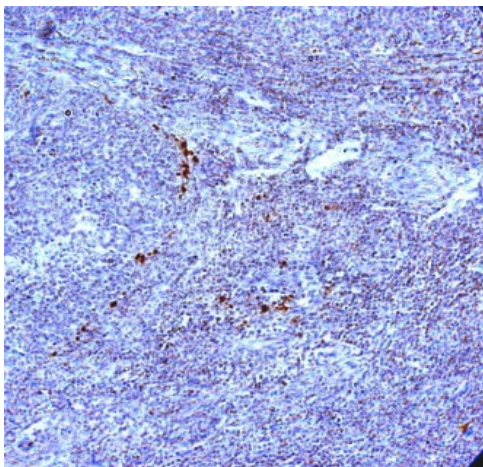
Endoplasmic reticulum membrane. Endosome. Lysosome. Cytoplasmic vesicle > phagosome. Relocalizes from endoplasmic reticulum to endosome and lysosome upon stimulation with agonist.

Images



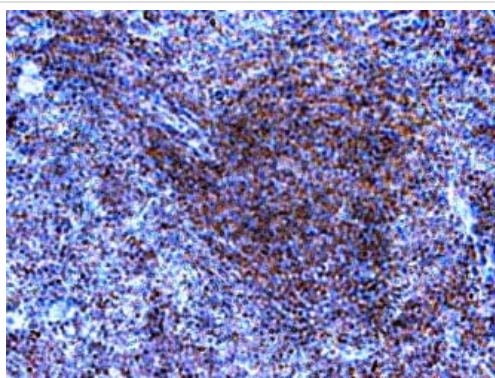
IH on paraffin section of human spleen using ab53396 at a concentration of 1/250.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR9 antibody - Aminoterminal end (ab53396)



IH on paraffin section of human tonsil using ab53396 at a concentration of 1/250.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR9 antibody - Aminoterminal end (ab53396)



IH on paraffin section of mouse spleen using ab53396 at a concentration of 1/250.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR9 antibody - Aminoterminal end (ab53396)

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