Product datasheet

Anti-TLR2 antibody ab1655

4 Abreviews  8 References  1 Image

Overview

Product name  Anti-TLR2 antibody
Description  Goat polyclonal to TLR2
Host species  Goat
Specificity  Peptide sequence is < 50 % identical to other human TLR receptors in this region.
Tested applications  Suitable for: IHC-P, ICC/IF, ELISA
Species reactivity  Reacts with: Human
Immunogen  Synthetic peptide:
CLEIDASDLQSYEPKSLKSIQNVSHLI,
 corresponding to amino acids 179-204 of Human TLR2.

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  Preservative: 0.1% Sodium azide
Constituent: 0.1% BSA
Purity  Immunogen affinity purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab1655 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>IHC-P</td>
<td>★★★★☆</td>
<td>1/250.</td>
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Function
Cooperates with LY96 to mediate the innate immune response to bacterial lipoproteins and other microbial cell wall components. Cooperates with TLR1 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. May also promote apoptosis in response to lipoproteins. Recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR6.

Tissue specificity
Highly expressed in peripheral blood leukocytes, in particular in monocytes, in bone marrow, lymph node and in spleen. Also detected in lung and in fetal liver. Levels are low in other tissues.

Sequence similarities
Belongs to the Toll-like receptor family. Contains 14 LRR (leucine-rich) repeats. Contains 1 TIR domain.

Post-translational modifications
Glycosylation of Asn-442 is critical for secretion of the N-terminal ectodomain of TLR2.

Cellular localization
Membrane.

Images
Immunohistochemistry on human spleen at 1:250 dilution.

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