Datasheet for ABIN7603239

anti-TLR8 antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	TLR8
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR8 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-TLR8 Antibody
Immunogen:	A synthetic peptide corresponding to a sequence at N-terminus of human TLR8, which shares 76.5% amino acid (aa) sequence identity with mouse TLR8.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TLR8 Antibody Picoband® (ABIN7603239). Tested in IHC applications. This antibody reacts with Human.
Purification:	Immunogen affinity purified.

Target Details

Target:	TLR8
Alternative Name:	TLR8 (TLR8 Products)
Background:	Synonyms: Nuclear factor 1 B-type, NF1-B, Nuclear factor 1/B, CCAAT-box-binding transcription factor, CTF, Nuclear factor I/B, NF-I/B, NFI-B, TGGCA-binding protein, NFIB Background: TLR8 (Toll-like receptor 8) is a protein that in humans is encoded by the TLR8 gene. TLR8 has also been designated as CD288 (cluster of differentiation 288).The TLR8 gene is mapped to Xp22.3-p22.2 by Chuang and Ulevitch (2000) and Du et al. (2000). 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 predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X. TLR8 recognises G-rich oligonucleotides.
Molecular Weight:	60 kDa
Gene ID:	51311
Pathways:	TLR Signaling, Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

Application Notes:	Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human 1. Chuang, T.-H., Ulevitch, R. J.Cloning and characterization of a sub-family of human Toll-like receptors: hTLR7, hTLR8 and hTLR9.Europ. Cytokine Netw. 11: 372-378, 2000. 2. Kadowaki, N., Ho, S., Antonenko, S., de Waal Malefyt, R., Kastelein, R. A., Bazan, F., Liu, Y.-J.Subsets of human dendritic cell precursors express different Toll-like receptors and respond to different microbial antigens.J. Exp. Med. 194: 863-869, 2001. 3. Peng, G., Guo, Z., Kiniwa, Y., Voo, K., Peng, W., Fu, T., Wang, D. Y., Li, Y., Wang, H. Y., Wang, R.-F.Toll-like receptor 8-mediated reversal of CD4+ regulatory T cell function.Science 309: 1380-1384, 2005.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.