

Datasheet for ABIN7602531
anti-TLR5 antibody (AA 81-766)



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Overview

Quantity:	100 µg
Target:	TLR5
Binding Specificity:	AA 81-766
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Tlr5 Antibody Picoband®
Immunogen:	E.coli-derived mouse Tlr5 recombinant protein (Position: Q81-D766).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Tlr5 Antibody Picoband® (ABIN7602531). Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TLR5
Alternative Name:	Tlr5 (TLR5 Products)
Background:	Synonyms: Beta-2-microglobulin, B2m Tissue Specificity: Detected in lung, spleen, uterus, vagina and epididymis. . Background: Toll-like receptor 5, also known as TLR5, is a protein which in humans is encoded by the TLR5 gene. Predicted to enable interleukin-1 receptor binding activity and signaling receptor activity. Predicted to be involved in several processes, including positive regulation of interleukin-8 production, positive regulation of nitric oxide biosynthetic process, and positive regulation of toll-like receptor signaling pathway. Predicted to act upstream of or within innate immune response. Predicted to be located in membrane. Predicted to be integral component of plasma membrane. Is expressed in brain, olfactory epithelium, spinal cord, and trunk unsegmented mesenchyme. Human ortholog(s) of this gene implicated in Legionnaires' disease, cystic fibrosis, cystitis, melioidosis, and systemic lupus erythematosus. Orthologous to human TLR5 (toll like receptor 5).
Molecular Weight:	100 kDa
Gene ID:	53791
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Andersen-Nissen, E., Hawn, T. R., Smith, K. D., Nachman, A., Lampano, A. E., Uematsu, S., Akira, S., Aderem, A. Cutting edge: Tlr5^{-/-} mice are more susceptible to Escherichia coli urinary tract infection. J. Immun. 178: 4717-4720, 2007. 2. Andersen-Nissen, E., Smith, K. D., Bonneau, R., Strong, R. K., Aderem, A. A conserved surface on Toll-like receptor 5 recognizes bacterial flagellin. J. Exp. Med. 204: 393-403, 2007. 3. Burdelya, L. G., Krivokrysenko, V. I., Tallant, T. C., Strom, E., Gleiberman, A. S., Gupta, D., Kurnasov, O. V., Fort, F. L., Osterman, A. L., DiDonato, J. A., Feinstein, E., Gudkov, A. V. An agonist of Toll-like receptor 5 has radioprotective activity in mouse and primate models. Science 320: 226-230, 2008.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 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 Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	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 freezing and thawing.