SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Toll-like receptor 6 (TLR6) (NT). Rabbit Polyclonal Antibody

TLR6 (IN): Toll-like receptor 6, CD286 antigen

Background

Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses (1,2). The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors (3) so the organism can respond to potential infection. TLR6 was first identified as a close homolog of TLR1, sharing 69% sequence identify (4). Like TLR1, TLR6 can form heterodimers with TLR2, and these TLR6:TLR2 dimers coordinate macrophage activation by Gram-positive bacteria and the yeast cell wall particle zymosan (5). Activation of these complexes not only initiates pro-inflammatory cascades, but also can lead to apoptotic responses (6).

Ordering Information

Catalog Number
X1816P

Size
100 µg

Form
Unconjugated

Host/Clone
Rabbit

Formulation
Provided as solution in phosphate buffered saline with 0.02% sodium azide

Concentration
See vial for concentration

Isotype
IgG

Applications
Western Blot, Immunocytochemistry

Species Reactivity
Human, Mouse

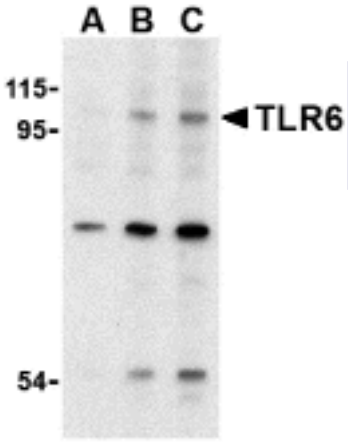
Accession Number

Human	Q9Y2C9

Immunogen

Rabbit polyclonal TLR6 antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of human TLR6.

Western blot analysis of TLR6 in Jurkat cell lysate with TLR6 antibody at (A) 0.5, (B) 1 and (C) 2 µg/ml.



Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com

Positive Control/Tissue Expression

Positive Control Jurkat cell Lysate. Located in the membrane, TLR6 is detected in monocytes, CD11c+ immature dendritic cells, plasmacytoid pre-dendritic cells and dermal microvessel endothelial cells.[7]

Comments

TLR6 antibody can be used for detection of TLR6 by Western blot at 1 to 2 ug/ml and immunocytochemistry at 10 μg/ml. Optimal concentration should be determined by serial dilutions

Purification

Antigen Immunoaffiinity Purification

Ship Conditions

Ship at ambient temperature, freeze upon arrival

Storage Customer

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

Stability

Products are stable for one year from purchase when stored properly

References

1) Takeda K, Kaisho T, and Akira S. Toll-like receptors. Annu. Rev. Immunol. 2003; 21:335-76.
2) Janeway CA Jr. and Medzhitov R. Innate immune recognition. Annu. Rev. Immunol. 2002; 20:197-216.
3) McGettrick AF and O'Neill LAJ. The expanding family of MyD88-like adaptors in Toll-like receptor signal transduction. Mol. Imm. 2004; 41:577-82.
4.) Takeuchi O, Kawai T, Sanjo H, et al. TLR6: A novel member of an expanding Toll-like receptor family. Gene 1999; 231:59-65.
5) Ozinsky A, Underhill DM, Fontenot JD, et al. The repertoire for pattern recognition of pathogens by the innate immune system is defined by cooperation between toll-like receptors. Proc. Natl. Acad. Sci. USA 2000; 97:13766-71.
6) Into T, Kiura K, Yasuda M, et al. Stimulation of human Tolllike receptor (TLR) 2 and TLR6 with membrane lipoproteins of Mycoplasma fermentans induces apoptotic cell death after NF-kappa B activation. Cell Microbiol. 2004; 6:187-99. (WD0506)
7) UniProtKB/Swiss-Prot entry Q9Y2C9, http://www.expasy.org/uniprot/Q9Y2C9, Accessed 2/9/2007.

Product Specific References

Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com