

Anti-TLR2 Rabbit Monoclonal Antibody

Catalog Number: M00131

About TLR2

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDPK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-TLR2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TLR2 Rabbit Monoclonal Antibody catalog # M00131. Tested in WB application. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal ADH-20
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O60603

Technical Details

Immunogen	A synthesized peptide derived from human TLR2
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:
WB 1:1000-1:2000

Anti-TLR2 Rabbit Monoclonal Antibody (M00131) Images

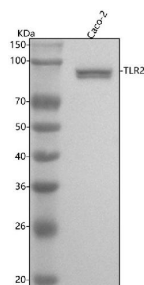
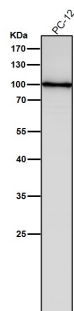
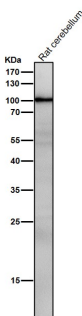


Figure 1. Western blot analysis of TLR2 using anti-TLR2 antibody (M00131). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human CACO-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TLR2 antigen affinity purified monoclonal antibody (Catalog # M00131) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for TLR2 at approximately 90 kDa. The expected band size for TLR2 is at 90 kDa.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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5 Publications Citing This Product

1. PubMed ID: 31857223, Shi Y, Vistro WA, Bai X, Wu R, Chen C, Huang Y, Fazlani SA, Tarique I, Yang P, Chen Q. Effect of seasonal variance on intestinal epithelial barriers and the associated innate immune response of the small intestine of the Chinese soft-shelled turtles. *Fish Shellfish*
2. PubMed ID: 32801828, Feng S, Ju L, Shao Z, Grzanna M, Jia L, Liu M. Therapeutic Effect of C-C Chemokine Receptor Type 1 (CCR1) Antagonist BX471 on Allergic Rhinitis. *J Inflamm Res.* 2020 Jul 21;13:343-356. doi:10.2147/JIR.S254717. PMID: 32801828; PMCID: PMC7398876.

3. PubMed ID: 27532861, Expression of TLR2/4 on Epididymal Spermatozoa of the Chinese Soft-shelled Turtle *Pelodiscus sinensis* During the Hibernation Season

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