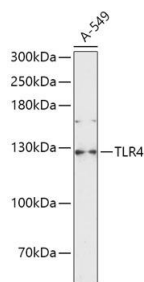


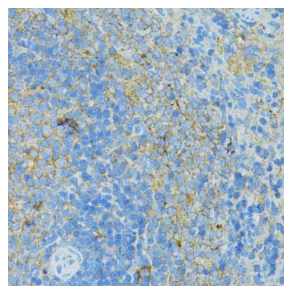
Cat. No:	AB-83776
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human TLR4.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:100 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	120kDa
Purification:	Aff. Pur.
Synonyms:	TLR4;ARMD10;CD284;TLR-4;TOLL

Background: 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 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 receptor has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. Multiple transcript variants encoding different isoforms have been found for this gene.

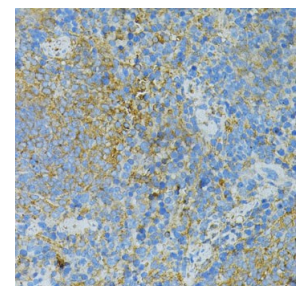
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of A-549 cells, using TLR4 (S441) antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.

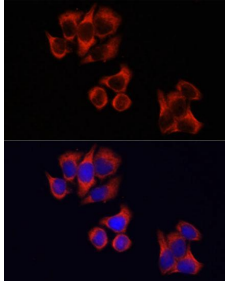


Immunohistochemistry of paraffinembedded rat spleen using TLR4 (S441) antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffinembedded mouse spleen using TLR4 (S441) antibody at dilution of 1:100 (40x lens).

Blocking buffer: 3% nonfat dry milk in
TBST. Detection: ECL Enhanced Kit
Exposure time: 5min.



Immunofluorescence analysis of HeLa
cells using TLR4 (S441) antibody at
dilution of 1:100. Blue: DAPI for nuclear
staining.

References

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Frontiers in Molecular Neuroscience

Application:WB, IF

IF:5.071

Species:Mus musculus

PMID:29311802

Title:Toll-like receptor 4 mediates methamphetamine-induced neuroinflammation through Caspase-11 signaling pathway in astrocytes

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Molecular Pain

Application:WB

IF:3.2

Species:Rattus norvegicus

PMID:30270727

Title:[EXPRESS] TLR4/NF- κ B signaling activation in plantar tissue and dorsal root ganglion involves in the development of postoperative pain

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Cellular & molecular immunology

Application:IF

IF:8.21

Species:mus musculus

PMID:1467414

Title:Essential roles of S100A10 in Toll-like receptor signaling and immunity to infection.

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Drug Design, Development and Therapy

Application:IHC IF:3.2

Species:Mus musculus

PMID:32214798

Title:miR-370-3p Alleviates Ulcerative Colitis-Related Colorectal Cancer in Mice Through Inhibiting the Inflammatory Response and Epithelial-Mesenchymal Transition

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Experimental and therapeutic medicine

Application:WB

IF:1.44

Species:Rattus norvegicus

PMID:31258688

Title:Lycium barbarum polysaccharide attenuates cardiac hypertrophy, inhibits calpain-1 expression and inhibits NF-κB activation in streptozotocin-induced diabetic rats.

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:International Immunopharmacology

Application:WB

IF:3.36

Species:Mus musculus

PMID:31784404

Title:Anti-inflammatory effect of Yam Glycoprotein on lipopolysaccharide-induced acute lung injury via the NLRP3 and NF-κB/TLR4 signaling pathway

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Inflammation

Application:WB

IF:2.93

Species:Homo sapiens

PMID:32128658

Title:GSTP1 Inhibits LPS-Induced Inflammatory Response Through Regulating Autophagy in THP-1 Cells

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Cellular and Molecular Neurobiology

Application:WB, IHC

IF:3.81

Species:Rattus norvegicus

PMID:31939007

Title:TLR4/MyD88/NF-κB-Mediated Inflammation Contributes to Cardiac Dysfunction in Rats of PTSD

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:International Immunopharmacology

Application:WB

IF:3.11

Species:mus musculus

PMID:30173054

Title:Barbaloin protects against lipopolysaccharide (LPS)-induced acute lung injury by inhibiting the ROS-mediated PI3K/AKT/NF-κB pathway.

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Journal of Biomedical Materials Research. Part A

Application:WB

IF:3.22

Species:Rattus norvegicus

PMID:31449340

Title:Anti-inflammation effects of injectable platelet-rich fibrin via macrophages and dendritic cells.

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Cellular & molecular immunology

Application:WB

IF:8.21

Species:Mus musculus

PMID:31467414

Title:Essential roles of S100A10 in Toll-like receptor signaling and immunity to infection.

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:Applied and Environmental Microbiology

Application:WB

IF:4.077

Species:Homo sapiens

PMID:30979838

Title:Commensal Escherichia coli Aggravates Acute Necrotizing Pancreatitis through Targeting of Intestinal Epithelial Cells.

References for TLR4 Rabbit pAb

Product:TLR4 Rabbit pAb

Journal:International Journal of Environmental Research and Public Health

Application:WB, IHC

IF:2.468

Species:Mus musculus

PMID:32295141

Title:Aerobic Exercise Inhibits CUMS-Depressed Mice Hippocampal Inflammatory Response via Activating Hippocampal miR-223/TLR4/MyD88-NF- κ B Pathway.