

TLR4

Polyclonal ANTIBODY

Catalog Number: 19811-1-AP

99 Publications

Basic Information

Catalog Number:
19811-1-AP

Size:
35 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG13841

GenBank Accession Number:
BC117422

GeneID (NCBI):
7099

Full Name:
toll-like receptor 4

Calculated MW:
839aa, 96 kDa

Observed MW:
90-100 kDa

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:100-1:400

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

ELISA, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

calf, hamster, human, mouse, rat, swine

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue; Daudi cells, rat liver tissue

IHC : human placenta tissue; human liver cancer tissue, mouse brain tissue

Background Information

TLR4, also named as CD284, belongs to the Toll-like receptor family. TLR4 interacts with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). TLR4 acts via MYD88, TIRAP and TRAF6, leading to NF-κB activation, cytokine secretion and the inflammatory response. Three alternatively spliced transcript variants that encode different protein isoforms have been described. The calculated molecular weights of the three TLR4 isoforms are 96, 91, and 73 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Fei Guo	29113747	Prostaglandins Leukot Essent Fatty Acids	WB
Fengchen Zhang	30236124	J Neuroinflammation	WB
Zhiwei Wang	30248660	Thromb Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

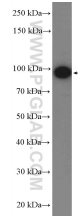
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

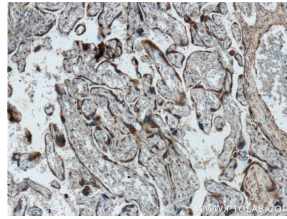
E: proteintech@ptglab.com
W: ptglab.com

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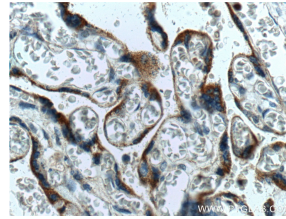
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 19811-1-AP α TLR4 Antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 19811-1-AP α TLR4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 19811-1-AP α TLR4 Antibody) at dilution of 1:200 (under 40x lens).