

TLR4 Antibody

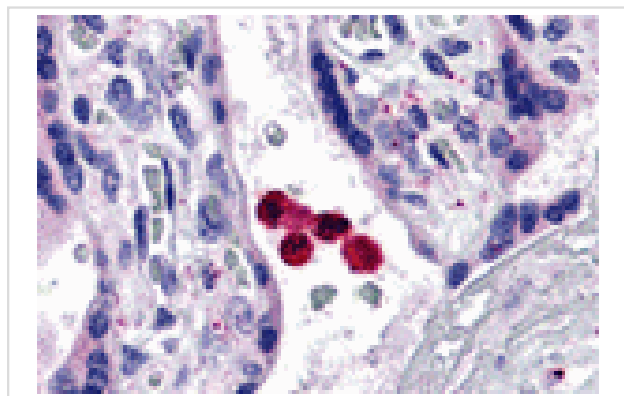
Catalog No: #24193

Package Size: #24193 100ul

Description

Product Name	TLR4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA IHC
Species Reactivity	Hu
Specificity	TLR4 antibody is predicted to not cross-react with other TLR protein family members.
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide near the carboxy terminus of human TLR4.
Conjugates	Unconjugated
Target Name	TLR4
Other Names	Toll-like receptor 4
Accession No.	Swiss-Prot:O00206Gene ID:7099
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Immunohistochemistry of TLR4 in human placenta tissue with TLR4 antibody at 5 ug/mL.

Background

Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors such as Protein Kinase C (PKC) alpha/beta and NF- κ B. Studies with TLR4-deficient mice indicate that the main ligand for TLR is lipopolysaccharide. Consequently, these mice also showed increased susceptibility to Gram-negative sepsis.

Published Papers

DongLing Liu;Zhi Hong;JingYing Li;YuXin Yang;Chu Chen;JunRong Du et al., Phthalide derivative CD21 attenuates tissue plasminogen activator-induced hemorrhagic transformation in ischemic stroke by enhancing macrophage scavenger receptor 1-mediated DAMP (peroxiredoxin 1) clearance, , (2021)

[PMID:34162400](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.