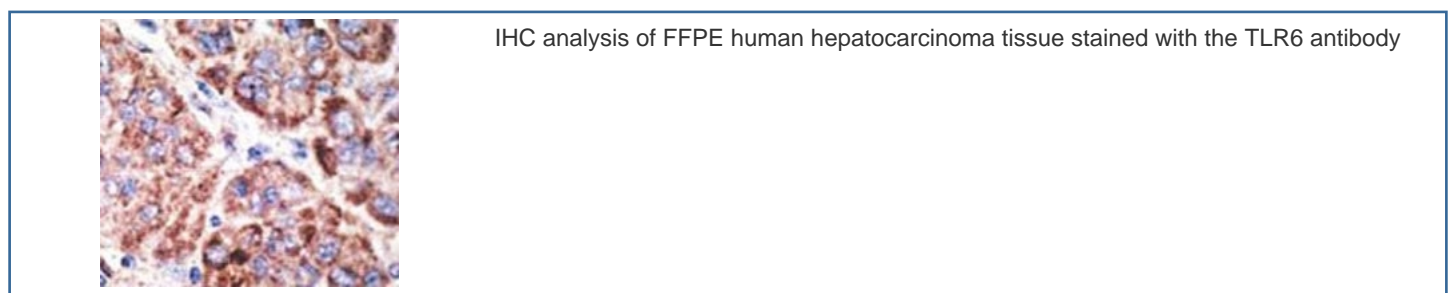
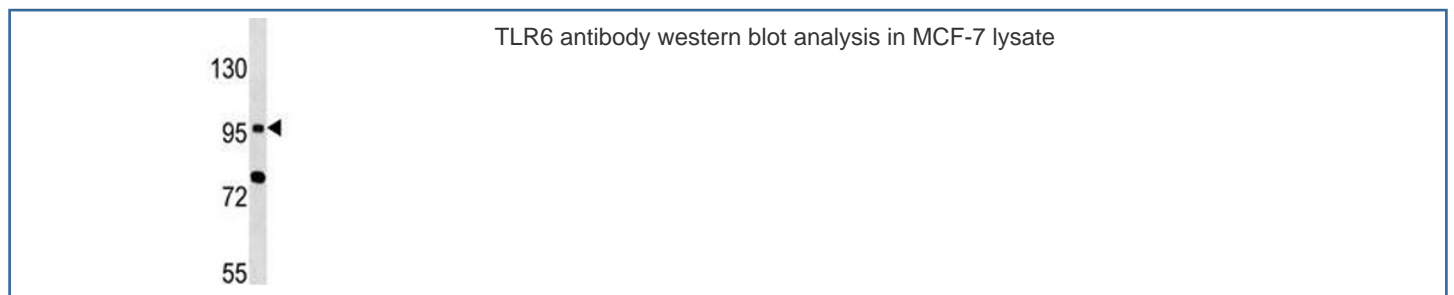


TLR6 Antibody (F44377)

Catalog No.	Formulation	Size
F44377-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44377-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9EPW9
Applications	IHC (Paraffin) : 1:50-1:100 Western Blot : 1:1000
Limitations	This TLR6 antibody is available for research use only.



Description

TLR6 participates in the innate immune response to Gram-positive bacteria and fungi. Specifically recognizes diacylated and, to a lesser extent, triacylated lipopeptides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Cooperates with TLR2 for the cellular activation. In complex with TLR4, promotes sterile inflammation in monocytes/macrophages in response to oxidized low-density lipoprotein (oxLDL) or amyloid-beta 42. In this context, the initial signal is provided by oxLDL- or amyloid-beta 42-binding to CD36. This event induces the formation of a heterodimer of TLR4 and TLR6, which is rapidly internalized and triggers inflammatory response, leading to the NF-kappa-B-dependent production of CXCL1, CXCL2 and CCL9 cytokines, via MYD88 signaling pathway, and CCL5 cytokine, via TICAM1 signaling pathway, as well as IL1B secretion. [UniProt]

Application Notes

Titration of the TLR6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the mouse protein was used as the immunogen for this TLR6 antibody.

Storage

Aliquot the TLR6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.