

Product datasheet for **AP11537PU-N**

Tlr6 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA 1:1,000. Immunohistochemistry 1:50 - 1:100. Western blot 1:200 - 1:500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of mouse TLR6.
Specificity:	This antibody detects TLR6 at N-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	toll-like receptor 6
Database Link:	Entrez Gene 21899 Mouse Q9EPW9



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Background:

TLR6, a Type I membrane protein that belongs to the Toll-like receptor family, participates in the innate immune response to Gram-positive bacteria and fungi. It acts via MyD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. The protein recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR2. It binds to TLR2 via their respective extracellular domains, and to MyD88 via their respective TIR domains. TLR6 is detected in monocytes, CD11c+ immature dendritic cells, plasmacytoid pre-dendritic cells and dermal microvessel endothelial cells.

Synonyms:

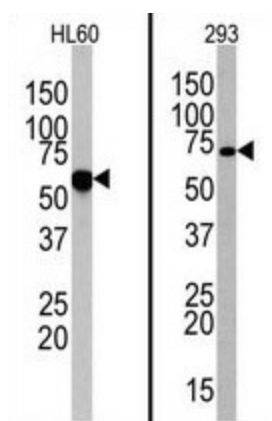
Toll-like receptor 6

Note:

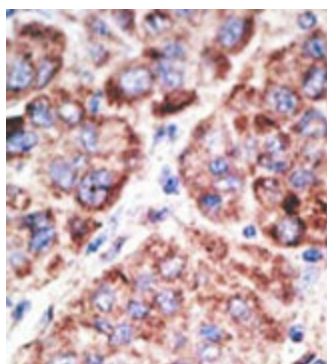
Molecular weight (mouse): 92407 Da.

Predicted molecular weight of human TRL6 is 55838 Da.

The human TRL6 accession number is AAI11756 and Q2NKL3.

Product images:

Western blot analysis of anti-mTLR6-N11 Pab in HL60 and 293 cell line lysates (35 ug/lane). mTLR6-N11 (arrow) was detected using the purified Pab (1:62 dilution).



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.