

AP07365PU-N**Polyclonal Antibody to CD281 / TLR1 - Purified**

Alternate names:	KIAA0012, TIL, Toll-like receptor 1, Toll/interleukin-1 receptor-like protein
Quantity:	50 µg
Concentration:	1 mg/ml
Background:	TLR1 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 (PAMPs) 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. The gene encoding TLR1 is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene.
Uniprot ID:	Q15399
NCBI:	9606
GenelD:	7096
Host:	Rabbit
Immunogen:	Synthetic peptide - KLH conjugated corresponding to 17 amino acids near the center of Human TLR1.
Format:	State: Liquid purified IgG fraction. Purification: Ion Exchange Chromatography. Buffer System: Phosphate buffered saline, containing 0.02% Sodium Azide as preservative.
Applications:	Immunocytochemistry. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1 - 2 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes a peptide corresponding to 17 amino acids near the center of TLR1.
Species Reactivity:	Tested: Human.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Figure 1. AP07365PU-N CD281/TLR1 antibody staining of Formalin-Fixed Paraffin-Embedded Human Small Intestine.

