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AP07790PU-N Polyclonal Antibody to CD286 / TLR6 - Purified

Alternate names: Toll-like receptor 6

Quantity: 50 µg

Concentration: 1 mg/ml

Background: The Toll like receptor family in mammal comprises a family of transmembrane proteins characterised by multiple copies of leucine rich repeats in the extracellular domain and IL1 receptor motif in the cytoplasmic domain. These proteins recognize different microbial products during infection and serve as an important phylogenetically conserved mediator/link between the innate and adaptive immune responses. Like its counterparts in Drosophila, TLRs signal through adaptor molecules. The TLRs characterised so far activate the MyD88/interleukin 1 receptor associated kinase (IRAK) signaling pathway. Ten human homologs of TLRs (TLR1 10) have been described.
TLR6 was first identified as a close homolog of TLR1, sharing 69% sequence identify. Like TLR1, TLR6 can form heterodimers with TLR2, and these TLR6:TLR2 dimers coordinate macrophage activation by Gram positive bacteria and the yeast cell wall particle zymosan. Activation of these complexes not only initiates proinflammatory cascades, but also can lead to apoptotic responses.

Uniprot ID: Q9Y2C9

NCBI: 9606

GeneID: 10333

Host: Rabbit

Immunogen: Synthetic Peptide corresponding to 13 Amino Acids near the center of human TLR6.

Format: **State:** Liquid purified IgG fraction.
Buffer System: Phosphate Buffered Saline PBS containing 0.02% Sodium Azide as preservative.

Applications: **ELISA.**
Immunohistochemistry on Paraffin Sections: 5 µg/ml.
Western Blot: 0.5 - 1 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: **Species:** Human.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Dilute only prior to immediate use.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Figure 2. Staining TLR6 in Lung, Alveolar Macrophages by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.

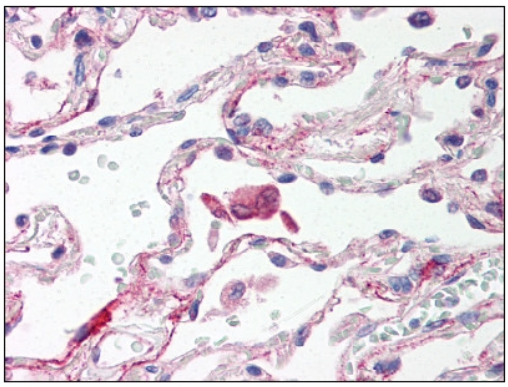

Figure 1. Staining TLR6 in Thymus tissue by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.