

TLR9 Rabbit pAb

CatalogNo: YN2360 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 113kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**ELISA 1:5000-20000**

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 400-480**Specificity** TLR9 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name TLR9 UNQ5798/PRO19605

Protein Name	Toll-like receptor 9 (CD antigen CD289)		
	Organism	Gene ID	UniProt ID
	Human	54106 ;	Q9NR96 ;
	Mouse		Q9EQU3 ;
Cellular Localization	Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Endosome . Lysosome . Cytoplasmic vesicle, phagosome . Relocalizes from endoplasmic reticulum to endosome and lysosome upon stimulation with agonist. Exit from the ER requires UNC93B1. Endolysosomal localization is required for proteolytic cleavage and subsequent activation. Intracellular localization of the active receptor may prevent from responding to self nucleic acid. .		
Tissue specificity	Highly expressed in spleen, lymph node, tonsil and peripheral blood leukocytes, especially in plasmacytoid pre-dendritic cells. Levels are much lower in monocytes and CD11c+ immature dendritic cells. Also detected in lung and liver.		
Function	Alternative products:Additional isoforms seem to exist,Function:Participates in the innate immune response to microbial agents. Detects the unmethylated cytidine-phosphate-guanosine (CpG) motifs present in bacterial DNA. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.,similarity:Belongs to the Toll-like receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 26 LRR (leucine-rich) repeats.,subunit:Binds MYD88 via their respective TIR domains.,tissue specificity:Highly expressed in spleen, lymph node, tonsil and peripheral blood leukocytes, especially in plasmacytoid pre-dendritic cells. Levels are much lower in monocytes and CD11c+ immature dendritic cells. Also detected in lung and liver.,		

| Validation Data

| Contact information

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