



Anti-Tlr9 (Toll-like receptor 9) Polyclonal Antibody

Category: Polyclonal Antibody

Catalog #: AB2J302

Species Reactivity: Mouse

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse Tlr9 (Toll-like receptor 9)

Description: Tlr9 (Toll-like receptor 9) participates in the innate immune response to microbial agents. Tlr9 (Toll-like receptor 9) 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. Tlr9 (Toll-like receptor 9) plays a role in defense against sytemic mouse cytomegalovirus infection. Tlr9 (Toll-like receptor 9) binds MYD88 via their respective TIR domains and interacts with CNPY3. Tlr9 (Toll-like receptor 9) belongs to the Toll-like receptor family and contains 26 LRR (leucine-rich) repeats and 1 TIR domain.

Reference:

Hemmi,H., et al, Nature 408 (6813), 740-745 (2000)
Bauer,S., et al, Proc. Natl. Acad. Sci. U.S.A. 98 (16), 9237-9242 (2001)
Chuang,T.H., et al, J. Leukoc. Biol. 71 (3), 538-544 (2002)
Tabeta,K., et al, Proc. Natl. Acad. Sci. U.S.A. 101 (10), 3516-3521 (2004)
Kiyokawa,T., et al, Int. Immunol. 20 (11), 1407-1415 (2008)

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