

TLR7 Antibody

Catalog No: T56812

Reactivity: Human

IsoType: Rabbit IgG

Applications: WB IHC



www.ab-mart.com.cn
400-6123-828

Information

UniProt ID: Q9NYK1

All Names: PRO285; TLR 7; Tlr7; Toll like receptor 7; UNQ248;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

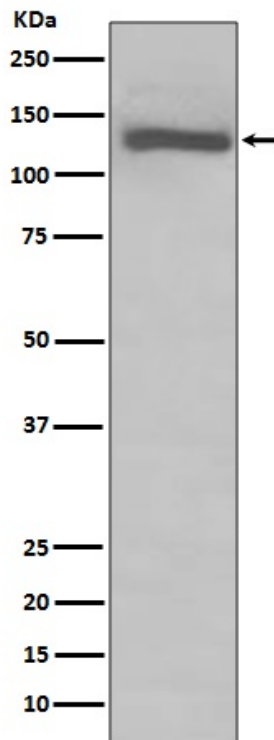
Molecular Wt.: 140kDa(full); 70-75kDa(cleaved, *1*2)

Application

WB 1:500~1:2000 IHC 1:50~1:200

Background

Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR7 is a nucleotide-sensing TLR which is activated by single-stranded RNA. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.



Western blot analysis of TLR7 expression in Raji cell lysate.

*1. TLR7 gain-of-function genetic variation causes human lupus.

<https://pmc.ncbi.nlm.nih.gov/articles/PMC9095492/>

*2. The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes.

<https://pmc.ncbi.nlm.nih.gov/articles/PMC4432728/>