

TLR7 Rabbit mAb

Catalog NO.: A29299 **Recombinant**

Basic Information

Observed MW

70 kDa/140 kDa

Calculated MW

122 kDa

Category

Monoclonal Antibodies

Applications

WB, IP, ELISA

Cross-Reactivity

Mouse

Conjugation

Unconjugated

Clone number

ARC4041

Recommended Dilutions

WB 1:10000 - 1:50000

IP

0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

Background

Enables siRNA binding activity and single-stranded RNA binding activity. Involved in several processes, including intracellular signal transduction; positive regulation of macromolecule biosynthetic process; and response to virus. Acts upstream of or within positive regulation of interleukin-6 production; positive regulation of macrophage cytokine production; and regulation of protein phosphorylation. Located in cytoplasmic vesicle; endoplasmic reticulum; and lysosome. Is expressed in brain and liver. Used to study systemic lupus erythematosus. Human ortholog(s) of this gene implicated in COVID-19 and X-Linked immunodeficiency 74. Orthologous to human TLR7 (toll like receptor 7).

Immunogen Information

Gene ID

170743

Swiss Prot

P58681

Immunogen

This information is considered to be commercially sensitive.

Synonyms

TLR7

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

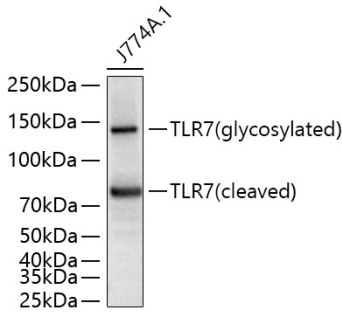
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from J774A.1 cells using TLR7 Rabbit mAb (A29299) at 1:25000 dilution incubated overnight at 4°C.

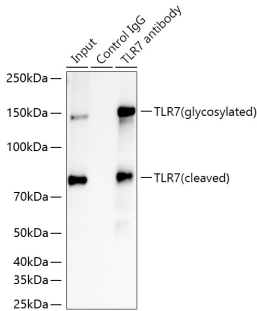
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1 s.



Immunoprecipitation of TLR7 from 300 µg extracts of J774A.1 cells was performed using 1.5 µg of TLR7 Rabbit mAb (A29299). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using TLR7 Rabbit mAb (A29299) at a dilution of 1:8000.

