

TLR2 Polyclonal Antibody

Product Details	
Size	100 µg
Species	Human
Expression System	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide: CLEIDASDLQSYEPKSLKSIQNVSHLI, corresponding to amino acids 179-204 of Human TLR2.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 1mg/mL BSA
Contains	0.1% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_561722

Applications	Tested Dilution	Publications
ELISA (ELISA)	1:75,000	-
Immunocytochemistry (ICC)	1:100-1:500	-
Immunofluorescence (IF)	1:100-1:500	-
Immunohistochemistry (IHC)	Assay Dependent	-
Immunohistochemistry (Paraffin) (IHC (P))	1:250	-
Western Blot (WB)	1:1000	-

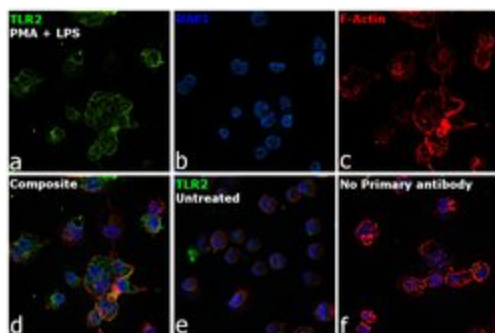
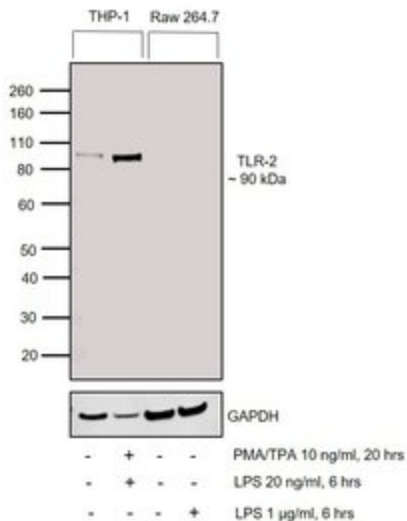
Product Specific Information

Recommended positive controls: Human spleen sections or human peripheral blood.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

TLR2 Antibody (PA1-21611)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of TLR2 using TLR2 Goat Polyclonal Antibody (Product # PA1-21611) shows increased expression of TLR2 protein in THP-1 cell line upon treatment with PMA and LPS. Cell treatment validation info.



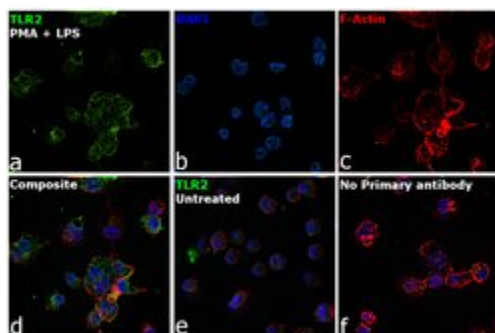
TLR2 Antibody (PA1-21611)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of TLR2 using TLR2 Goat Polyclonal Antibody (Product # PA1-21611) shows increased expression of TLR2 protein in THP-1 cell line upon treatment with PMA and LPS in membrane lipid rafts. Cell treatment validation info.

Product Images For TLR2 Polyclonal Antibody

TLR2 Antibody (PA1-21611) in ICC

Immunofluorescence analysis of TLR2 was performed using THP-1 cells and THP-1 treated with PMA (10 ng/mL, 20 hours) and LPS (20 ng/mL, 6 hours). The cells were fixed with 4% paraformaldehyde for 10 minutes and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with TLR2 Polyclonal Antibody (Product # PA1-21611) at 1:100 dilution in 0.1% BSA and incubated overnight at 4 degree and then labeled with Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 488 (Product # A-11078) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green) in THP-1 treated cells. Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1: 300). Panel d represents the merged image of THP-1 treated cells, which shows higher expression for TLR2 protein showing localization in lipid rafts in membrane. Panel e represents the merged image of THP-1 cells, that shows lower expression for TLR2 protein. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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