

# TLR9 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Fish, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A peptide corresponding to 15 amino acids near the center of human TLR9.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C
RRID	AB_11152135

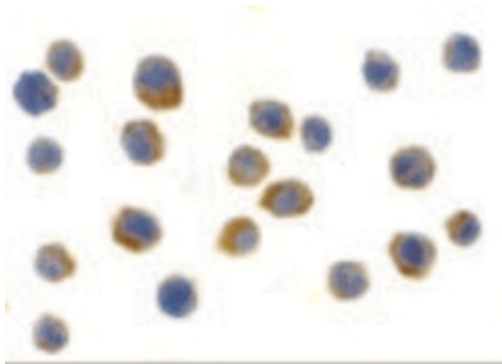
Applications	Tested Dilution	Publications
Western Blot (WB)	1.0 µg/mL	2 Publications
Immunohistochemistry (IHC)	10 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	2 Publications

## Product Specific Information

A suggested positive control is Jurkat cell lysate.

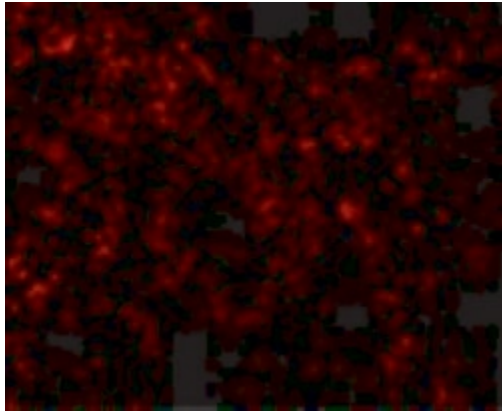
PA5-20203 can be used with blocking peptide PEP-0346.

## Product Images For TLR9 Polyclonal Antibody



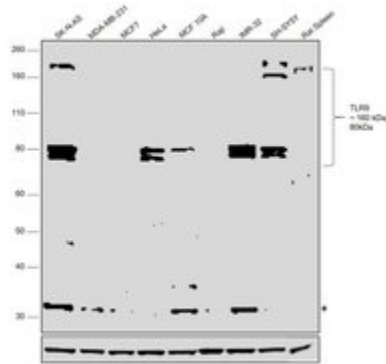
### TLR9 Antibody (PA5-20203) in ICC/IF

Immunocytochemistry of TLR9 in Jurkat cells with TLR9 Polyclonal Antibody (Product # PA5-20203) at 2  $\mu\text{g}/\text{mL}$ .



### TLR9 Antibody (PA5-20203) in IHC

Immunofluorescence of TLR9 in Mouse Spleen tissue with TLR9 Polyclonal Antibody (Product # PA5-20203) at 10  $\mu\text{g}/\text{mL}$ .



### TLR9 Antibody (PA5-20203) in WB

Western blot was performed using Anti-TLR9 Polyclonal Antibody (Product # PA5-20203) and a 160 kDa full length and 80 kDa cleaved form corresponding to Toll-like receptor 9 was observed across cell lines and tissues tested. Whole cell extracts (40  $\mu\text{g}$  lysate) of SK-N-AS (Lane 1), MDA-MB-231 (Lane 2), MCF7 (Lane 3), HeLa (Lane 4), MCF 10A (Lane 5), Raji (Lane 6), IMR-32 (Lane 7), SH-SY5Y (Lane 8) and tissue extracts of Rat Spleen (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1.0  $\mu\text{g}/\text{mL}$  dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:10000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

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## Western Blot (2)

The Journal of biological chemistry

### Munc13-4 Is a Rab11-binding Protein That Regulates Rab11-positive Vesicle Trafficking and Docking at the Plasma Membrane.

"PA5-20203 was used in western blot to study regulation of Rab11-positive vesicle trafficking and docking at the plasma membrane by Munc13-4, a Rab11-binding protein"

Authors: Johnson JL, He J, Ramadass M, Pestonjamas K, Kiosses WB, Zhang J, Catz SD

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2016

Molecular biology of the cell

### Munc13-4 interacts with syntaxin 7 and regulates late endosomal maturation, endosomal signaling, and TLR9-initiated cellular responses.

"PA5-20203 was used in immunocytochemistry to investigate a mechanism of late endosomal maturation"

Authors: He J, Johnson JL, Monfregola J, Ramadass M, Pestonjamas K, Napolitano G, Zhang J, Catz SD

**Species**  
Fish

**Dilution**  
Not Cited

**Year**  
2016

## Immunocytochemistry (2)

Molecular biology of the cell

### Munc13-4 interacts with syntaxin 7 and regulates late endosomal maturation, endosomal signaling, and TLR9-initiated cellular responses.

"PA5-20203 was used in immunocytochemistry to investigate a mechanism of late endosomal maturation"

Authors: He J, Johnson JL, Monfregola J, Ramadass M, Pestonjamas K, Napolitano G, Zhang J, Catz SD

**Species**  
Fish

**Dilution**  
Not Cited

**Year**  
2016

EMBO molecular medicine

### Phagocytosis-dependent activation of a TLR9-BTK-calcineurin-NFAT pathway co-ordinates innate immunity to Aspergillus fumigatus.

"PA520203 was used in immunocytochemistry and western blot to explore a macrophage TLR9-BTK-calcineurin-NFAT signaling pathway involved in impair fungal immunity"

Authors: Herbst S, Shah A, Mazon Moya M, Marzola V, Jensen B, Reed A, Birrell MA, Saijo S, Mostowy S, Shaunak S, Armstrong-James D

**Species**  
Mouse

**Dilution**  
1:50

**Year**  
2015

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