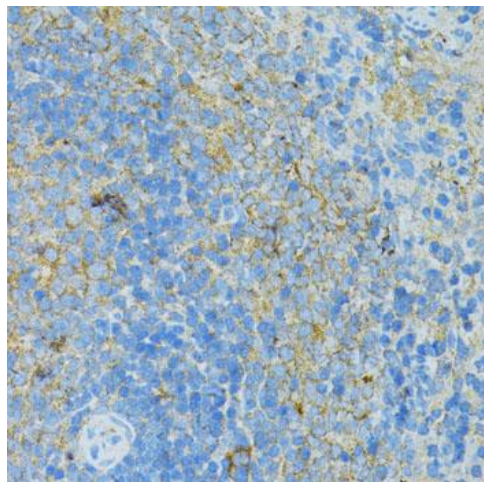
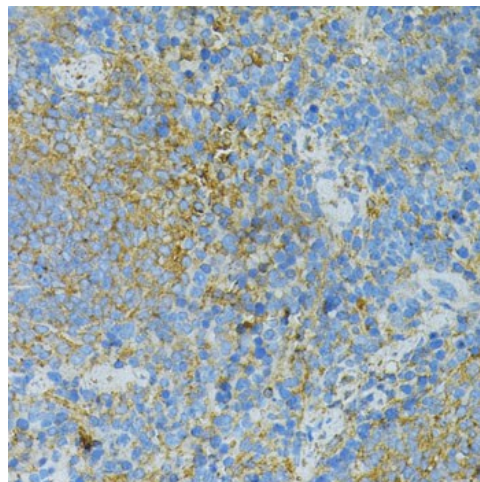

Product name:	Toll Like receptor 4 (S441) (TLR4)
Cat number:	AB-83776
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human TLR4.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:100 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	120kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Background:	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. Multiple transcript variants encoding different isoforms have been found for this gene.



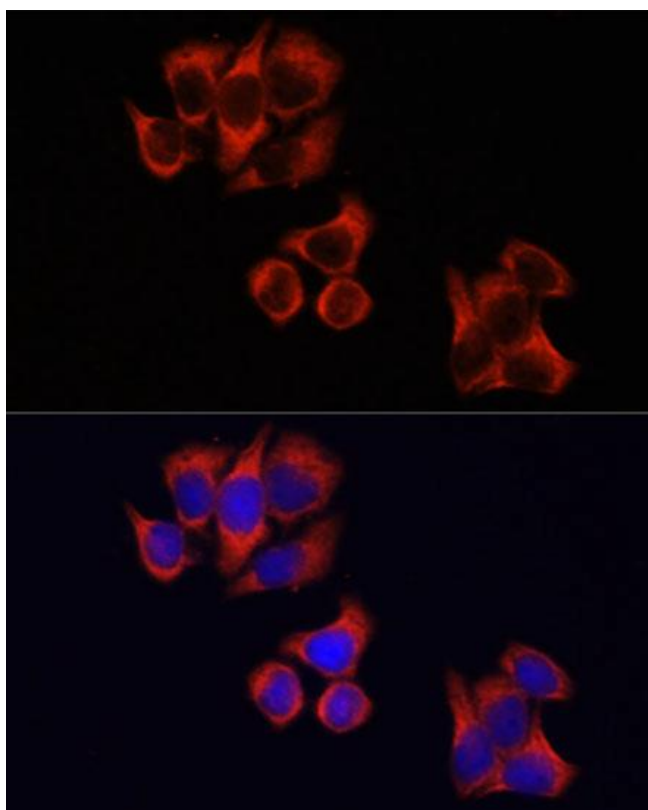
Western blot analysis of extracts of A-549 cells, using TLR4 (S441) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 5min.



Immunohistochemistry of paraffinembedded rat spleen using TLR4 (S441) antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffinembedded mouse spleen using TLR4 (S441) antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using TLR4 (S441) antibody at dilution of 1:100. Blue: DAPI for nuclear staining.