

Datasheet for ABIN4952861

anti-TLR7 antibody**5** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TLR7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR7 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Amino acids QAHPYFWQCLKNALATDNHVAYSQVFKE of human TLR7 were used as the immunogen for the TLR7 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	TLR7
Alternative Name:	TLR7 (TLR7 Products)
Background:	TLR7 (Toll-like receptor 7) is protein that in humans is encoded by the TLR7 gene. Orthologs are found in mammals and birds. TLR7 is a member of the Toll-like receptor (TLR) family which

Target Details

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 (PAMPs) 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 gene is predominantly expressed in lung, placenta, and spleen, and lies in close proximity to another family member, TLR8, on human chromosome X. TLR7 recognises single stranded RNA in endosomes, which is a common feature of viral genomes which are internalised by macrophages.

UniProt: [Q9NYK1](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Optimal dilution of the TLR7 antibody should be determined by the researcher.\. Western blot: 0.1-0.5 µg/mL, Immunocytochemistry: 0.5-1 µg/mL, IHC (Frozen): 0.5-1 µg/mL, IHC (Paraffin): 0.5-1 µg/mL, FACS: 1-3 µg/10⁶ cells

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

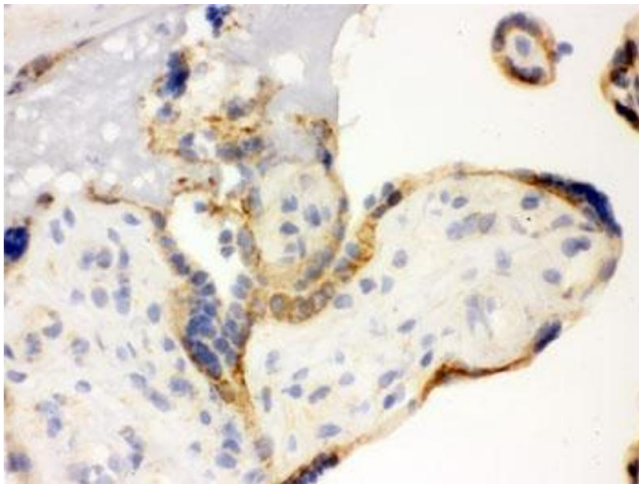
Storage: -20 °C

Storage Comment: After reconstitution, the TLR7 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



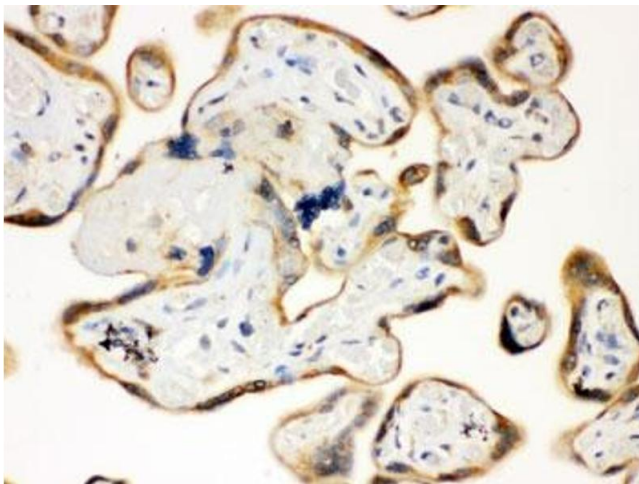
Western Blotting

Image 1. Western blot testing of 1) MCF7, 2) COLO320 and 3) Jurkat lysate with TLR7 antibody. Expected/observed molecular weight ~121 kDa.



Immunohistochemistry

Image 2. IHC testing of frozen human placenta with TLR7 antibody.



Immunohistochemistry

Image 3. IHC testing of FFPE human placenta with TLR7 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN4952861.