

Datasheet for ABIN718698

anti-TLR7 antibody (AA 461-560) (FITC)[Go to Product page](#)**2** Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | TLR7 |
| Binding Specificity: | AA 461-560 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TLR7 antibody is conjugated to FITC |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human TLR7 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | TLR7 |
| Alternative Name: | TLR7 (TLR7 Products) |
| Background: | Synonyms: TLR7-like, Toll-like receptor 7, TLR7, UNQ248/PRO285 Background: Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control |

Target Details

host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR7 is a nucleotide-sensing TLR which is activated by single-stranded RNA. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (By similarity).

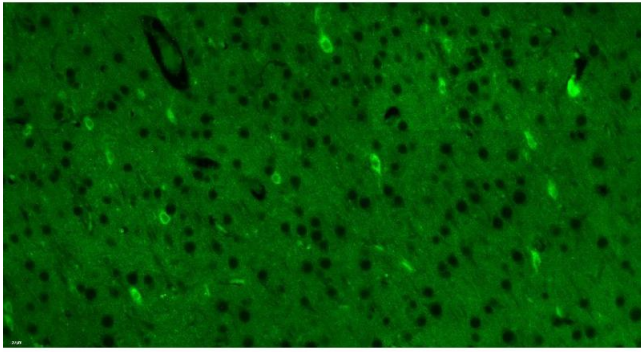
| | |
|-----------|---|
| Gene ID: | 51284 |
| UniProt: | Q9NYK1 |
| Pathways: | TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades |

Application Details

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|--------------------|--|
| Application Notes: | FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

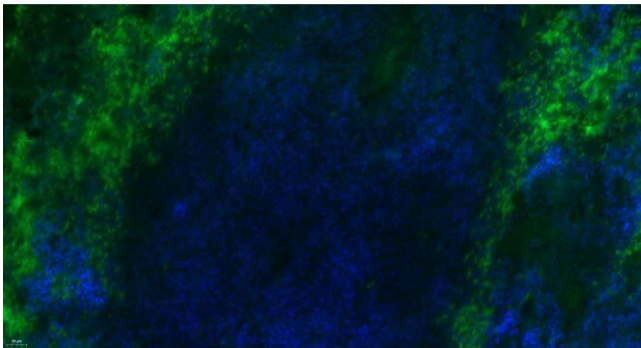
Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |



Immunofluorescence (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with TLR7 Polyclonal Antibody, FITC Conjugated at 1:400 for 90 minutes at 37°C.



Immunofluorescence (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded mouse spleen, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with TLR7 Polyclonal Antibody, FITC Conjugated at 1:400 for 90 minutes at 37°C.