


Product datasheet

Anti-TLR9 antibody ab125139

2 Images

Overview

<b>Product name</b>	Anti-TLR9 antibody
<b>Description</b>	Rabbit polyclonal to TLR9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cat, Monkey 
<b>Immunogen</b>	Recombinant fragment, corresponding to a region within amino acids 26-300 of Human TLR9.
<b>Positive control</b>	Human Liver tissue; THP1 whole cell lysate.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 89% Tris glycine, 10% Glycerol
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab125139** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 115 kDa.
IHC-P		Use a concentration of 5 µg/ml.

## Target

### Function

Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR9 is a nucleotide-sensing TLR which is activated by unmethylated cytidine-phosphate-guanosine (CpG) dinucleotides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.

### Tissue specificity

Highly expressed in spleen, lymph node, tonsil and peripheral blood leukocytes, especially in plasmacytoid pre-dendritic cells. Levels are much lower in monocytes and CD11c+ immature dendritic cells. Also detected in lung and liver.

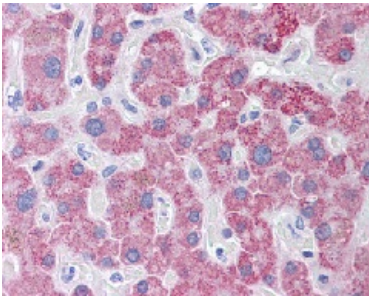
### Sequence similarities

Belongs to the Toll-like receptor family.  
Contains 26 LRR (leucine-rich) repeats.  
Contains 1 TIR domain.

### Cellular localization

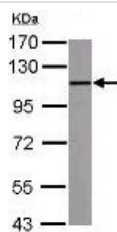
Endoplasmic reticulum membrane. Endosome. Lysosome. Cytoplasmic vesicle > phagosome. Relocalizes from endoplasmic reticulum to endosome and lysosome upon stimulation with agonist.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR9 antibody (ab125139)

ab125139 at 5µg/ml staining TLR9 in formalin-fixed, paraffin-embedded Human liver tissue by Immunohistochemistry.



Western blot - Anti-TLR9 antibody (ab125139)

Anti-TLR9 antibody (ab125139) at 1/1000 dilution + THP1 whole cell lysate at 30 µg

**Predicted band size:** 115 kDa

7.5% SDS PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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