



Product datasheet

Anti-IRAK4 (phospho T345) antibody ab216513

2 Images

Overview

Product name	Anti-IRAK4 (phospho T345) antibody
Description	Rabbit polyclonal to IRAK4 (phospho T345)
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide aa 330-360 (phospho T345) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Sequence: FGLARASEKFAQTVMTSRVGTAYMAPEAL Database link: Q9NWZ3
	 Run BLAST with  Run BLAST with
Positive control	Human lung carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 1% BSA, 50% Glycerol
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab216513** 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
IHC-P		1/100 - 1/500.
WB		1/500.

Target

Function

Required for the efficient recruitment of IRAK1 to the IL-1 receptor complex following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization. Phosphorylates IRAK1.

Involvement in disease

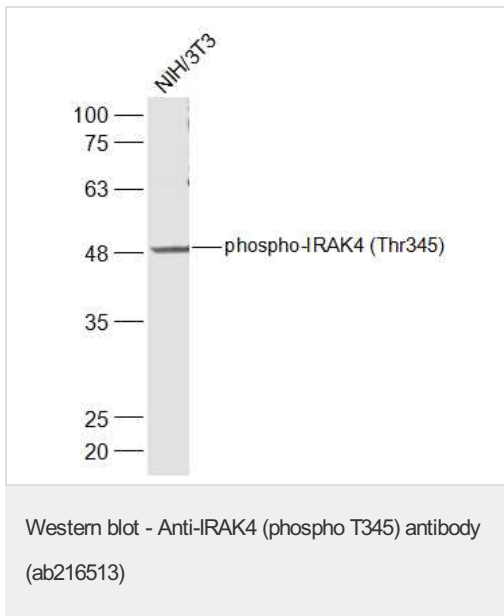
Defects in IRAK4 are the cause of recurrent isolated invasive pneumococcal disease type 1 (IPD1) [MIM:610799]. Recurrent invasive pneumococcal disease (IPD) is defined as two episodes of IPD occurring at least 1 month apart, whether caused by the same or different serotypes or strains. Recurrent IPD occurs in at least 2% of patients in most series, making IPD the most important known risk factor for subsequent IPD.

Defects in IRAK4 are the cause of IRAK4 deficiency (IRAK4D) [MIM:607676]. IRAK4 deficiency causes extracellular pyogenic bacterial and fungal infections in otherwise healthy children.

Sequence similarities

Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 death domain.
Contains 1 protein kinase domain.

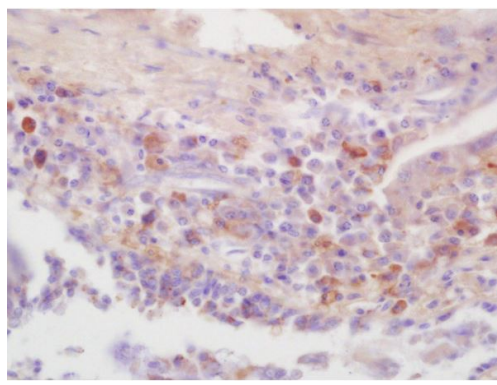
Images



Anti-IRAK4 (phospho T345) antibody (ab216513) at 1/500 dilution
+ NIH/3T3 lysates

Secondary

Conjugated secondary antibody at 1/10000 dilution



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human lung carcinoma labeling IRAK4 (phospho T345) with ab216513 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRAK4 (phospho T345) antibody (ab216513)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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