

Product datasheet

Anti-IRAKM antibody [Y278] ab32394

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-IRAKM antibody [Y278]
Description	Rabbit monoclonal [Y278] to IRAKM
Host species	Rabbit
Tested applications	Suitable for: IP, WB Unsuitable for: Flow Cyt, ICC or IHC
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human IRAKM aa 550 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: Q9Y616
Positive control	A431 cell lysate.
General notes	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	Y278
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab32394** 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
IP		1/50.
WB		1/20000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).

Application notes Is unsuitable for Flow Cyt, ICC or IHC.

Target

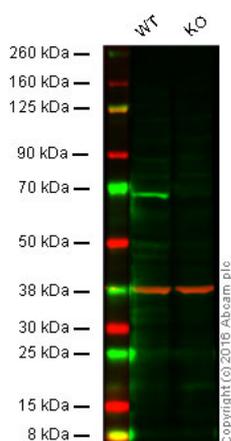
Function Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex.

Tissue specificity Expressed predominantly in peripheral blood lymphocytes.

Involvement in disease Defects in IRAK3 are associated with susceptibility to asthma-related traits type 5 (ASRT5) [MIM:611064]. Asthma-related traits include clinical symptoms of asthma, such as coughing, wheezing, dyspnea, bronchial hyperresponsiveness as assessed by methacholine challenge test, serum IgE levels, atopy, and atopic dermatitis.

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



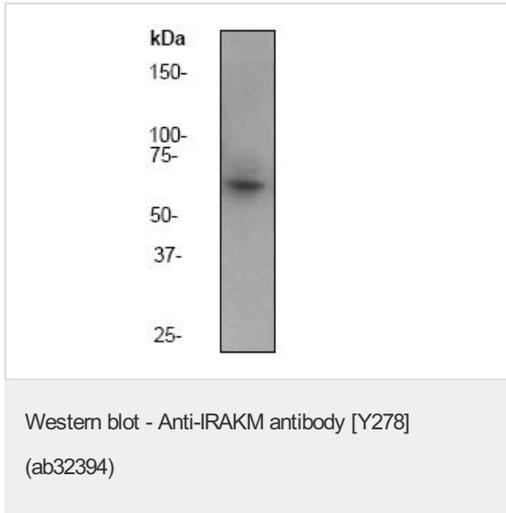
Western blot - Anti-IRAKM antibody [Y278] (ab32394)

Lane 1: Wild-type HAP1 cell lysate (20 µg)

Lane 2: IRAKM knockout HAP1 cell lysate (20 µg)

Lanes 1 - 2: Merged signal (red and green). Green - ab32394 observed at 69 kDa. Red - loading control, ab8245, observed at 37 kDa.

ab32394 was shown to specifically react with IRAKM when IRAKM knockout samples were used. Wild-type and IRAKM knockout samples were subjected to SDS-PAGE. ab32394 and ab8245 (loading control to GAPDH) diluted to 1/5000 and 1/10000 respectively were incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ab216773 and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ab216776 secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Anti-IRAKM antibody [Y278] (ab32394) at 1/20000 dilution + A431 cell lysate

Predicted band size: 68 kDa

Observed band size: 68 kDa

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

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- Response to your inquiry within 24 hours
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