abcam

Product datasheet

Anti-TRAP/CD40L antibody [EP462E] - BSA and Azide free ab210743



2 Images

Overview

Product name Anti-TRAP/CD40L antibody [EP462E] - BSA and Azide free

Description Rabbit monoclonal [EP462E] to TRAP/CD40L - BSA and Azide free

Host species Rabbit

Specificity This antibody reacts with TRAP/CD40L. Mouse species is recommended by WB application. We

have preliminary internal testing data to indicate this antibody may not react with mouse in IHC.

Tested applications Suitable for: WB

Unsuitable for: Flow Cyt or ICC/IF

Species reactivity Reacts with: Mouse, Human

Immunogen Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

Positive control MOLT-4 cell lysate.

General notes ab210743 is the carrier-free version of ab52750.

> Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for

increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cellbased assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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

Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Properties

Form Liquid

Storage instructions Shipped at 4°C. Store at +4°C. Do Not Freeze.

Storage buffer pH: 7.20

Constituent: PBS

Carrier free Yes

Purity Protein A purified

Clonality Monoclonal

Clone number EP462E

Isotype IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab210743 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		Use at an assay dependent concentration. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the

presence of IL-4. Involved in immunoglobulin class switching.

Release of soluble CD40L from platelets is partially regulated by GP Ilb/Illa, actin polymerization,

and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway.

Tissue specificity Specifically expressed on activated CD4+ T-lymphocytes.

Involvement in disease Defects in CD40LG are the cause of X-linked immunodeficiency with hyper-lgM type 1 (HIGM1)

[MIM:308230]; also known as X-linked hyper IgM syndrome (XHIM). HIGM1 is an immunoglobulin isotype switch defect characterized by elevated concentrations of serum IgM and decreased amounts of all other isotypes. Affected males present at an early age (usually within the first year of life) recurrent bacterial and opportunistic infections, including Pneumocystis carinii pneumonia and intractable diarrhea due to cryptosporidium infection. Despite substitution treatment with intravenous immunoglobulin, the overall prognosis is rather poor, with a death rate of about 10%

before adolescence.

Sequence similaritiesBelongs to the tumor necrosis factor family.

Post-translational The soluble form derives from the membrane form by proteolytic processing.

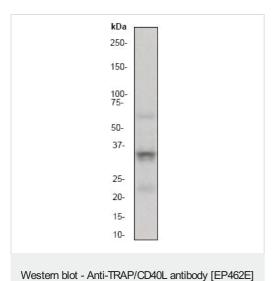
modifications N-linked glycan is a mixture of high mannose and complex type. Glycan structure does not

influence binding affinity to CD40.

Not O-glycosylated.

Cellular localization Secreted and Cell membrane.

Images



- BSA and Azide free (ab210743)

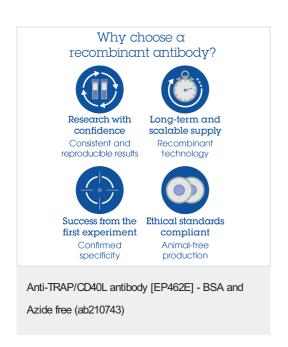
Anti-TRAP/CD40L antibody [EP462E] ($\underline{ab52750}$) at 1/5000 dilution + MOLT-4 cell lysate at 10 μg

Secondary

Goat anti-rabbit HRP labeled at 1/2000 dilution

Predicted band size: 36 kDa **Observed band size:** 26 kDa

This WB data was generated using the same anti-TRAP/CD40L antibody clone, EP462E, in a different buffer formulation (cat# **ab52750**).



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

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