abcam

Product datasheet

# Anti-FADD antibody [EPR5030] ab124812

Recombinant RabMAb

9 Abreviews 23 References 7 Images

## Overview

| | |
|---|---|
| **Product name** | Anti-FADD antibody [EPR5030] |
| **Description** | Rabbit monoclonal [EPR5030] to FADD |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** Flow Cyt (Intra), WB, IHC-P, IP, ICC/IF |
| **Species reactivity** | **Reacts with:** Mouse |
| **Immunogen** | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| **Positive control** | IHC-P: Mouse kidney tissue; ICC/IF: NIH/3T3 cells; Flow Cyt (intra): NIH/3T3 cells. WB: NIH/3T3 whole cell lysate. IP: NIH/3T3 whole cell lysate and RAW264.7 whole cell lysate. |
| **General notes** | This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**.<br>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.<br>Human, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. |

## Properties

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| **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** | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS |
| **Purity** | Protein A purified |
| **Clonality** | Monoclonal |

| | |
|---|---|
| **Clone number** | EPR5030 |
| **Isotype** | IgG |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab124812 in the following tested applications.

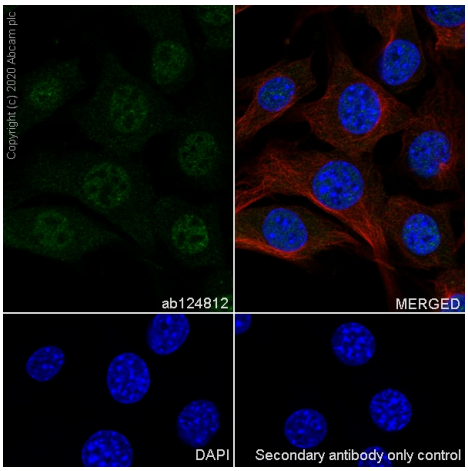
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **Flow Cyt (Intra)** | | 1/40.<br>**ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| **WB** | ★★★★☆ **(7)** | 1/1000 - 1/10000. Detects a band of approximately 28 kDa (predicted molecular weight: 23 kDa). |
| **IHC-P** | | 1/50 - 1/150. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.<br>See **IHC antigen retrieval protocols**. |
| **IP** | ★★★★☆ **(1)** | 1/30. |
| **ICC/IF** | | 1/50. |

## Target

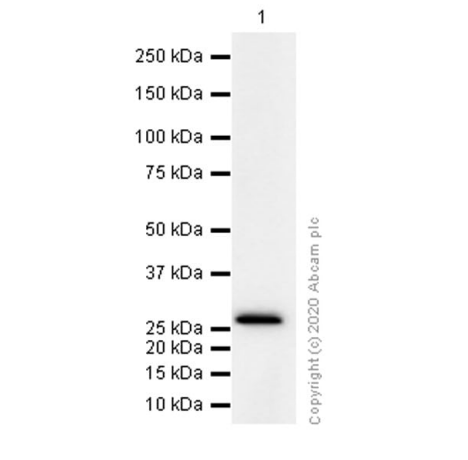
| | |
|---|---|
| **Function** | Apoptotic adaptor molecule that recruits caspase-8 or caspase-10 to the activated Fas (CD95) or TNFR-1 receptors. The resulting aggregate called the death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation. Active caspase-8 initiates the subsequent cascade of caspases mediating apoptosis. |
| **Tissue specificity** | Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes. |
| **Sequence similarities** | Contains 1 death domain.<br>Contains 1 DED (death effector) domain. |
| **Domain** | Contains a death domain involved in the binding of the corresponding domain within Fas receptor. |

## Images




Immunocytochemistry/ Immunofluorescence - Anti-FADD antibody [EPR5030] (ab124812)

Immunocytochemistry analysis of NIH/3T3 (Mouse embryonic fibroblast) cells labeling FADD with purified ab124812 at 1/50 dilution (7.8 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



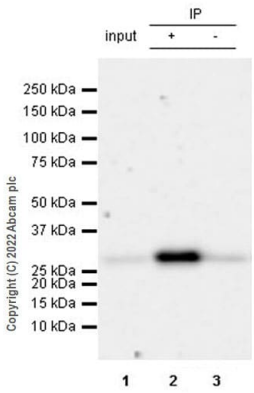

Western blot - Anti-FADD antibody [EPR5030] (ab124812)

Anti-FADD antibody [EPR5030] (ab124812) at 1/1000 dilution (Purified) + NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

**Secondary**

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 23 kDa




Immunoprecipitation - Anti-FADD antibody [EPR5030] (ab124812)

FADD was immunoprecipitated from 0.35 mg NIH/3T3 (mouse embryonic fibroblast) whole cell lysate 10 µg with ab124812 at 1/30 dilution (2 µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using ab124812 at 1/1000 dilution. VeriBlot for IP secondary antibody (HRP) (**ab131366**) was used at 1/5000 dilution.

**Lane 1**: NIH/3T3 (mouse embryonic fibroblast) whole cell lysate 10 µg.

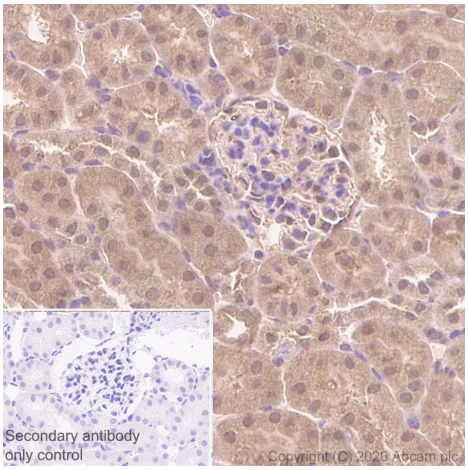
**Lane 2**: NIH/3T3 whole cell lysate.

**Lane 3**: Rabbit monoclonal IgG (**ab172730**) instead of ab124812 in NIH/3T3 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

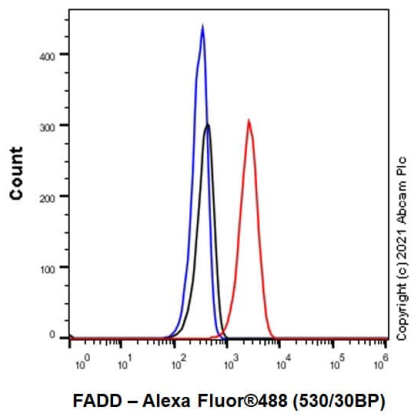
Observed MW : 28 kDa.

Exposure time: 41 secs.



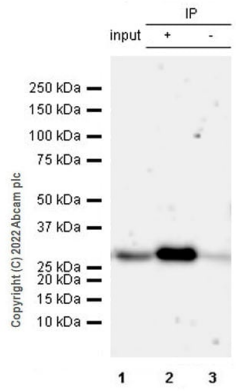

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FADD antibody [EPR5030] (ab124812)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue sections labeling FADD with purified ab124812 at 1/150 dilution (2.59 µg/mL). Heat mediated antigen retrieval was performed using Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1/0 dilution. PBS instead of the primary antibody was used as the negative control.




Flow Cytometry (Intracellular) - Anti-FADD antibody [EPR5030] (ab124812)

Intracellular Flow Cytometry analysis of NIH/3T3 (Mouse embryonic fibroblast) cells labelling FADD with purified ab124812 at 1/40 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).




Immunoprecipitation - Anti-FADD antibody [EPR5030] (ab124812)

FADD was immunoprecipitated from 0.35 mg RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate 10 µg with ab124812 at 1/30 dilution (2 µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using ab124812 at 1/1000 dilution. VeriBlot for IP secondary antibody (HRP) (**ab131366**) was used at 1/5000 dilution.

**Lane 1**: RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate 10 µg.

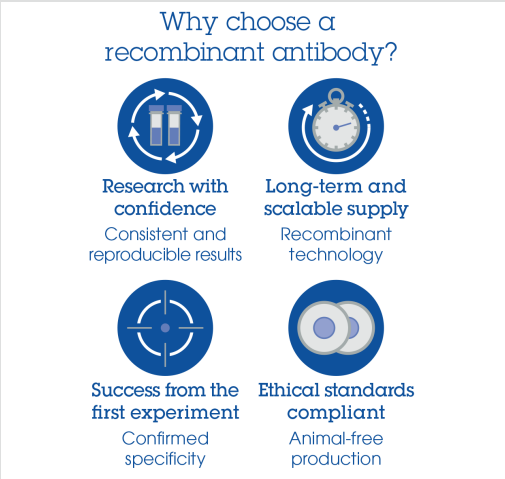
**Lane 2**: RAW264.7 whole cell lysate.

**Lane 3**: Rabbit monoclonal IgG (**ab172730**) instead of ab124812 in RAW264.7 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Observed MW : 28 kDa.

Exposure time: 3 minutes.




Anti-FADD antibody [EPR5030] (ab124812)

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