

## Product datasheet

### Anti-TRADD antibody [EPR3604] ab110644

Recombinant **RabMAb**

[9 References](#) [8 Images](#)

#### Overview

<b>Product name</b>	Anti-TRADD antibody [EPR3604]
<b>Description</b>	Rabbit monoclonal [EPR3604] to TRADD
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, Flow Cyt (Intra), WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Jurkat, MCF7, HeLa and K562 cell lysates, Human liver, and Human fetal spleen lysates. IHC-P: human breast carcinoma tissue. ICC/IF: MCF7 and HeLa cells. Flow Cyt (intra): HeLa cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol, 0.05% BSA</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR3604
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab110644 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
ICC/IF		1/50 - 1/100.
Flow Cyt (Intra)		1/30. For unpurified use at 1/600
WB		1/500 - 1/1000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa). For Mouse this antibody is recommended for WB only.
IHC-P		1/100 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Perform antigen retrieval before commencing with IHC staining protocol.  See <b><u>IHC antigen retrieval protocols</u></b> .

## Target

### Function

Adapter molecule for TNFRSF1A/TNFR1 that specifically associates with the cytoplasmic domain of activated TNFRSF1A/TNFR1 mediating its interaction with FADD. Overexpression of TRADD leads to two major TNF-induced responses, apoptosis and activation of NF-kappa-B.

### Tissue specificity

Found in all examined tissues.

### Sequence similarities

Contains 1 death domain.

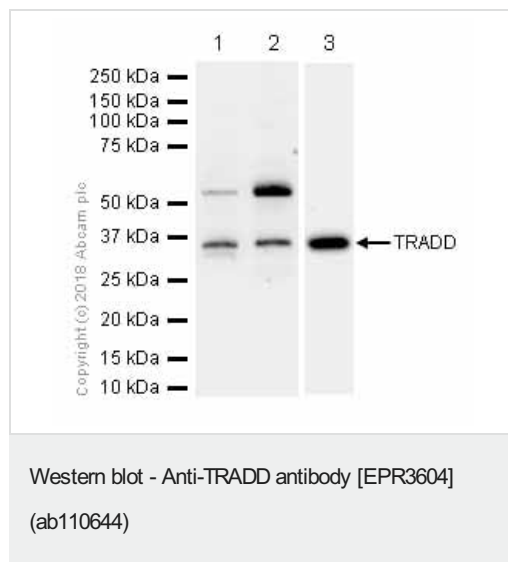
### Domain

Requires the intact DEATH domain to associate with TNFRSF1A/TNFR1.

### Cellular localization

Cytoplasm > cytoskeleton.

## Images



**All lanes** : Anti-TRADD antibody [EPR3604] (ab110644) at 1/1000 dilution (Purified)

**Lane 1** : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

**Lane 2** : Human liver lysates

**Lane 3** : Human fetal spleen lysates

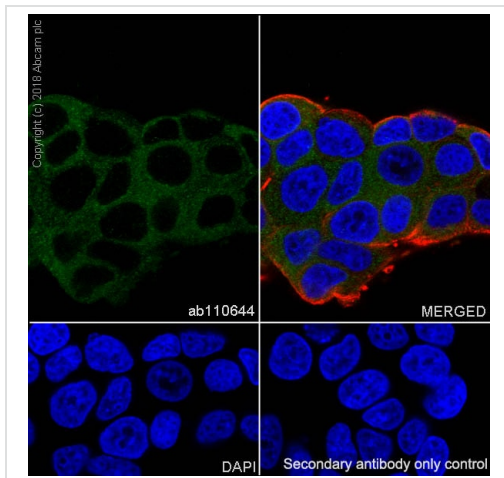
Lysates/proteins at 15 µg per lane.

### Secondary

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

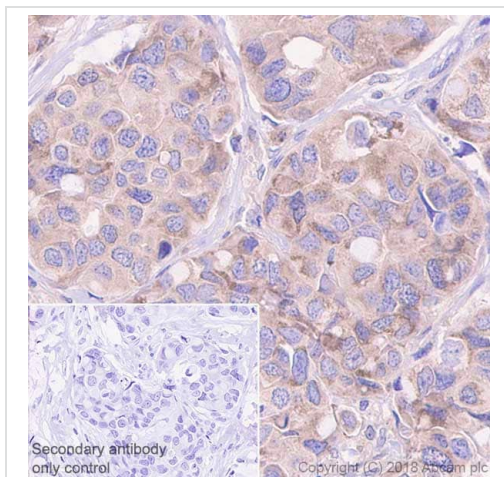
**Predicted band size:** 34 kDa

**Observed band size:** 34 kDa



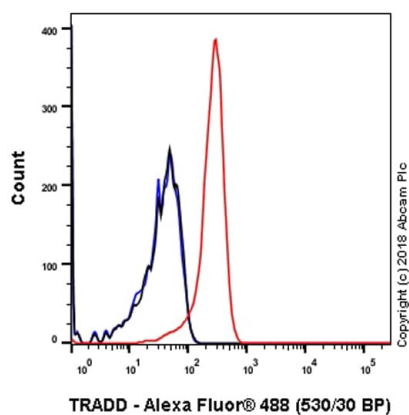
Immunocytochemistry/ Immunofluorescence - Anti-TRADD antibody [EPR3604] (ab110644)

Immunocytochemistry/ Immunofluorescence analysis of MCF7(Human breast adenocarcinoma epithelial cell) cells labeling TRADD with purified ab110644 at 1/100 dilution (6 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.



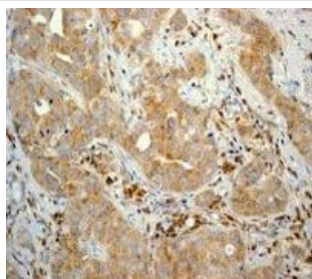
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRADD antibody [EPR3604] (ab110644)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue sections labeling TRADD with purified ab110644 at 1/850 dilution (0.7 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Flow Cytometry (Intracellular) - Anti-TRADD antibody  
[EPR3604] (ab110644)

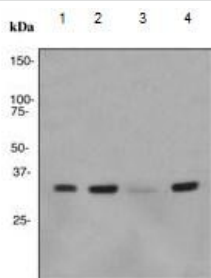
Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling TRADD with purified ab110644 at 1/600 dilution (1 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRADD antibody  
[EPR3604] (ab110644)

Unpurified ab110644, at 1/100, staining TRADD in paraffin-embedded human breast carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-TRADD antibody [EPR3604] (ab110644)

**All lanes :** Anti-TRADD antibody [EPR3604] (ab110644) at 1/500 dilution ((unpurified))

**Lane 1 :** Jurkat cell lysate

**Lane 2 :** MCF7 cell lysate

**Lane 3 :** HeLa cell lysate

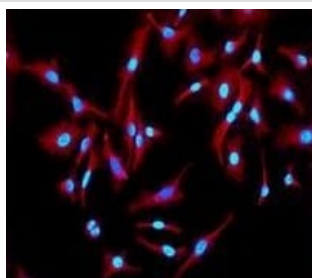
**Lane 4 :** K562 cell lysate

#### Secondary

**All lanes :** Goat anti-rabbit HRP conjugated antibody at 1/2000 dilution

**Predicted band size:** 34 kDa

**Observed band size:** 34 kDa



Immunocytochemistry/ Immunofluorescence - Anti-TRADD antibody [EPR3604] (ab110644)

Unpurified ab110644, at 1/100, staining TRADD in HeLa cells by Immunofluorescence.

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-TRADD antibody [EPR3604] (ab110644)

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

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