

Datasheet for ABIN7173872  
**anti-TNFRSF1A antibody (AA 249-455)**



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3 Images

## Overview

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                            |
| Target:              | TNFRSF1A                                                                          |
| Binding Specificity: | AA 249-455                                                                        |
| Reactivity:          | Human                                                                             |
| Host:                | Rabbit                                                                            |
| Clonality:           | Polyclonal                                                                        |
| Conjugate:           | This TNFRSF1A antibody is un-conjugated                                           |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

## Product Details

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Tumor necrosis factor receptor superfamily member 1A protein (249-455AA) |
| Isotype:          | IgG                                                                                        |
| Cross-Reactivity: | Human                                                                                      |
| Purification:     | >95%, Protein G purified                                                                   |

## Target Details

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Target:           | TNFRSF1A                                                                             |
| Alternative Name: | TNFRSF1A ( <a href="#">TNFRSF1A Products</a> )                                       |
| Background:       | Background: Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. |

## Target Details

The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.

Aliases: CD120a antibody, FPF antibody, MGC19588 antibody, p55 antibody, p55-R antibody, p60 antibody, TBP1 antibody, TBPI antibody, TNF R antibody, TNF R55 antibody, TNF-R1 antibody, TNF-RI antibody, TNFAR antibody, TNFR-I antibody, TNFR1 antibody, TNFR55 antibody, TNFR60 antibody, TNFRI antibody, TNFRSF1a antibody, TNR1A\_HUMAN antibody, Tumor necrosis factor receptor 1 antibody, Tumor necrosis factor receptor superfamily, member 1A antibody, Tumor necrosis factor receptor type 1 antibody, Tumor necrosis factor receptor type I antibody, Tumor necrosis factor-binding protein 1 antibody

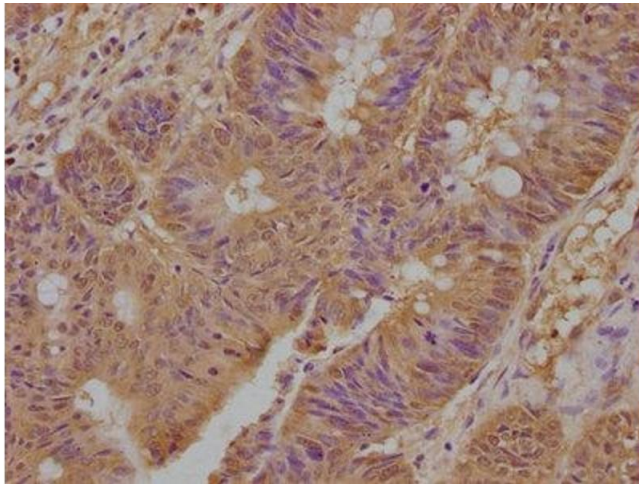
|           |                                                                                                                                                                                             |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt:  | <a href="#">P19438</a>                                                                                                                                                                      |
| Pathways: | <a href="#">NF-kappaB Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Hepatitis C</a> , <a href="#">Ubiquitin Proteasome Pathway</a> |

## Application Details

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Application Notes: | Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500, IF:1:50-1:200, |
| Restrictions:      | For Research Use only                                                   |

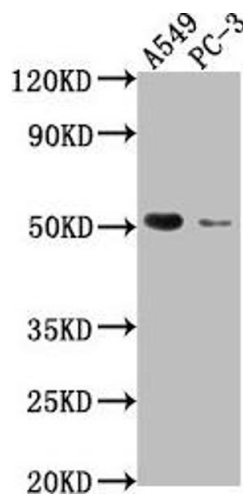
## Handling

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                            |
| Buffer:            | Preservative: 0.03 % Proclin 300<br>Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4                                |
| Preservative:      | ProClin                                                                                                           |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C,-80 °C                                                                                                     |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                     |



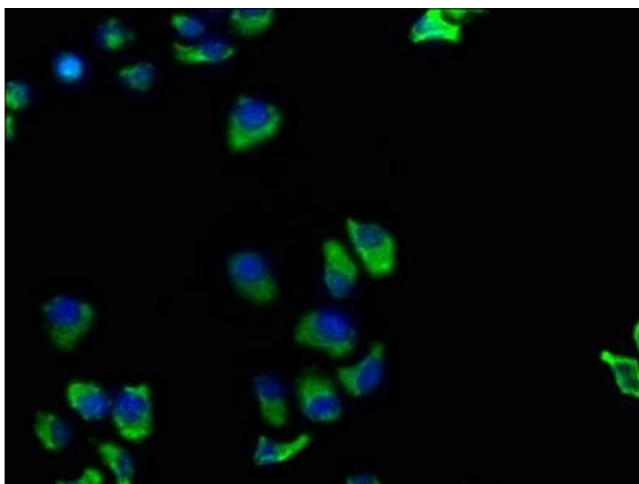
### Immunohistochemistry

**Image 1.** IHC image of ABIN7173872 diluted at 1:300 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: A549 whole cell lysate, PC-3 whole cell lysate All lanes: TNFRSF1A antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 51, 39, 26, 25 kDa Observed band size: 51 kDa



### Immunofluorescence

**Image 3.** Immunofluorescence staining of HeLa cells with ABIN7173872 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).