

**Anti-TNFAIP1 Antibody**  
**Catalog # ABO10631****Specification**

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**Anti-TNFAIP1 Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">Q13829</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2(TNFAIP1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-TNFAIP1 Antibody - Additional Information**

**Gene ID** 7126

**Other Names**

BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2, hBACURD2, BTB/POZ domain-containing protein TNFAIP1, Protein B12, Tumor necrosis factor, alpha-induced protein 1, endothelial, TNFAIP1, BACURD2, EDP1

**Calculated MW**

36204 MW KDa

**Application Details**

Immunocytochemistry , 0.5-1 µg/ml, Human, Rat, Mouse<br>Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Human, Rat, Mouse<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse<br>

**Subcellular Localization**

Cytoplasm. Nucleus. Endosome. Colocalizes with RHOB in endosomes.

**Protein Name**

BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2(hBACURD2)

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human TNFAIP1(27-52aa NKYVQLNVGGSLEYTTVRALTRHDTM), identical to the related rat and mouse sequences.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the BACURD family.

**Anti-TNFAIP1 Antibody - Protein Information**

**Name** TNFAIP1

**Synonyms** BACURD2, EDP1

**Function**

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in regulation of cytoskeleton structure. The BCR(TNFAIP1) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome, thereby regulating the actin cytoskeleton and cell migration. Its interaction with RHOB may regulate apoptosis. May enhance the PCNA- dependent DNA polymerase delta activity.

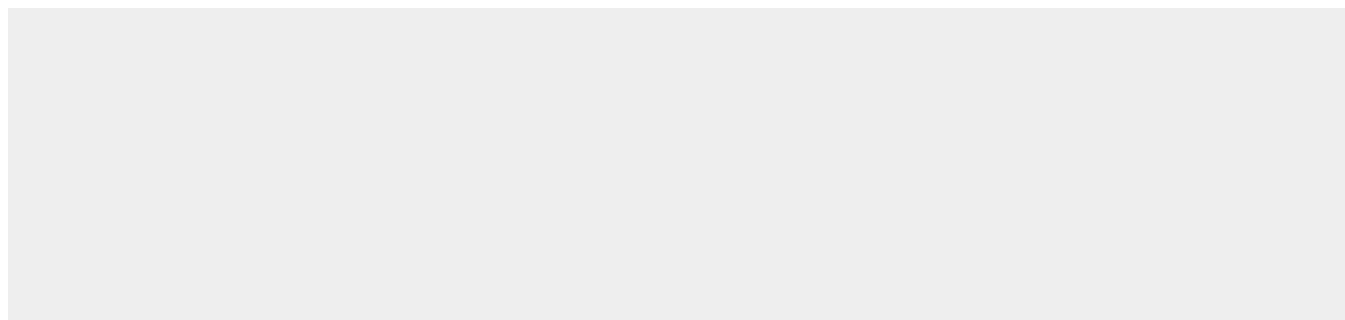
**Cellular Location**

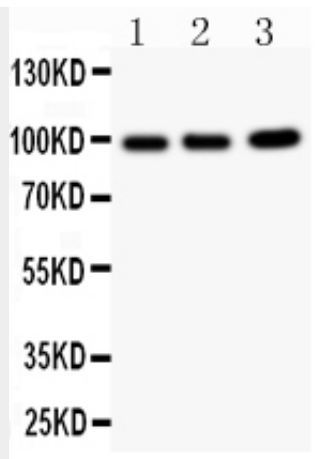
Cytoplasm. Nucleus. Endosome. Note=Colocalizes with RHOB in endosomes

**Anti-TNFAIP1 Antibody - Protocols**

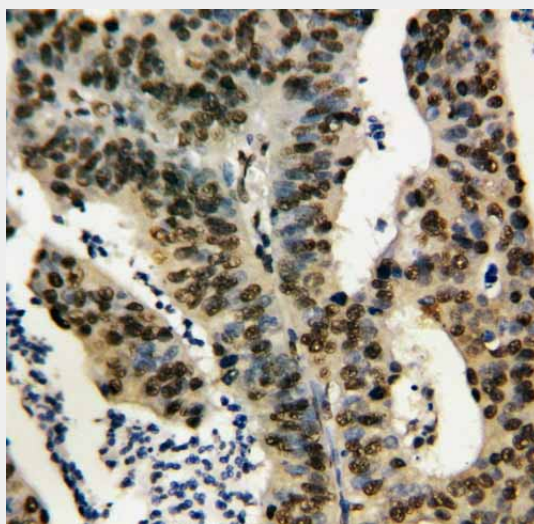
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

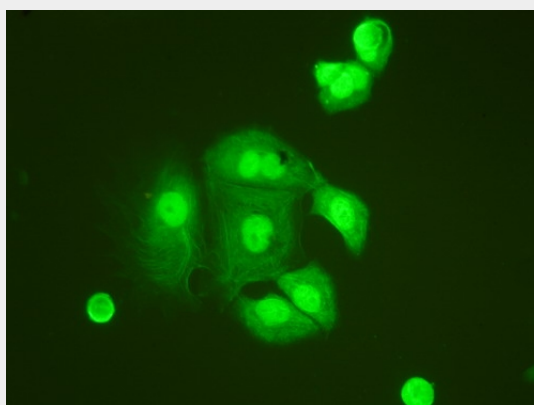
**Anti-TNFAIP1 Antibody - Images**



Anti-TNFAIP1 antibody, ABO10631, Western blottingAll lanes: Anti TNFAIP1(ABO10631) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 36KDObserved bind size: 36KD



Anti-TNFAIP1 antibody, ABO10631, IHC(P)IHC(P): Human Rectal Cancer Tissue



Anti-TNFAIP1 antibody, ABO10631, ICCICC: HELA Cell

### Anti-TNFAIP1 Antibody - Background

Tumor necrosis factor, alpha-induced protein 1(endothelial), also known as TNFAIP1, is a human gene. The gene, present in single copy, was located in the 17q22-q23 region. This gene was identified as a gene whose expression can be induced by the tumor necrosis factor alpha(TNF) in

umbilical vein endothelial cells. Studies of a similar gene in mouse suggest that the expression of this gene is developmentally regulated in a tissue-specific manner. The protein is involved in the primary response of the endothelium to TNF.