10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-TNFAIP1 Antibody
Catalog # ABO10631

Specification

Anti-TNFAIP1 Antibody - Product Information

Application	**WB, IHC-P, IHC-F, ICC**
Primary Accession	Q13829
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
Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Human, Rat, Mouse
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse

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 Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human TNFAIP1(27-52aa NKYVQLNVGGSLYYTTVRALTRHDTM), 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 r˚Constitution, 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.

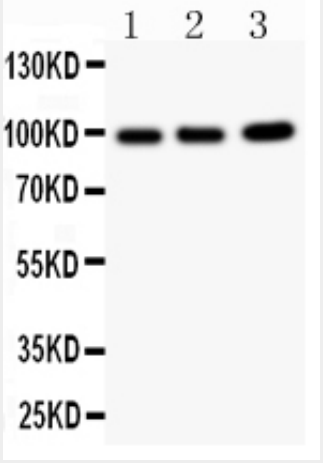
Cellular Location
Cytoplasm. Nucleus. Endosome. Note=Colocalizes with RHOB in endosomes

Anti-TNFAIP1 Antibody - Protocols

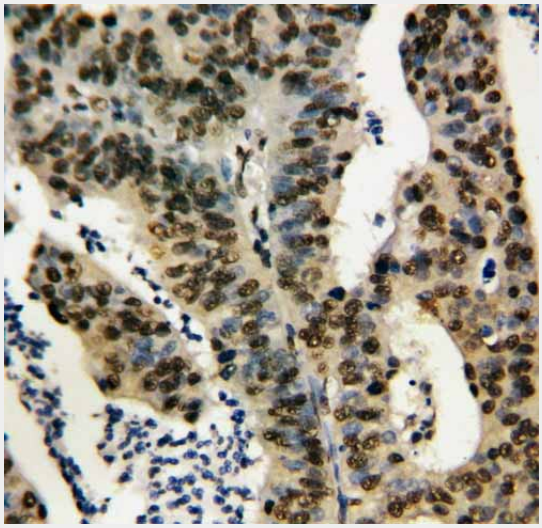
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

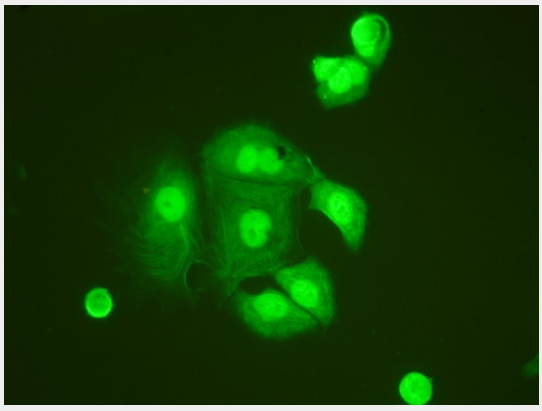
Anti-TNFAIP1 Antibody - Images



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.