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TNFAIP1 Rabbit pAb

Catalog # AP100128

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q13829
Other Accession	Q13829
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36204
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TNFAIP1
Epitope Specificity	231-316/316
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the BACURD family. Contains 1 BTB (POZ) domain.
Post-translational modifications	Phosphorylation at Ser-280 by CK2 facilitates the nucleus localization and increases interaction with PCNA.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	7126
Other Names	B12; B61; BTBD34; EDP1; hBACURD2; Bacurd2; Edp-1; Tnfip1; BACD2_HUMAN; TNFAIP1; BTB/POZ domain-containing protein TNFAIP1; Protein B12; Tumor necrosis factor, alpha-induced protein 1, endothelial; BACD2_MOUSE; BACD2_RAT; Tumor necrosis factor-induced protein 1; TNF alpha induced protein 1; tumor necrosis factor, alpha-induced protein 1 (endothelial)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.