

Rabbit Anti-TNFAIP1/AP Conjugated antibody

SL2104R-AP

Product Name	Anti-TNFAIP1/AP
Chinese Name	碱性磷酸酶（AP）标记的 Tumour 坏死因子 α 诱导蛋白 1 抗体 tumor necrosis factor, alpha-induced protein 1-like; Tumor necrosis factor-alpha-induced protein 1; Tumor necrosis factor alpha induced protein 1 (endothelial); BACD2_HUMAN; BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2; BTB/POZ domain-containing protein TNFAIP1; endothelial; hBACURD2; Protein B12; tnfaip1; Tumor necrosis factor alpha induced protein 1; TNF-IP 1; TNF-IP-1; TNF-IP1.
Alias	
Research Area	Tumour Cell biology immunology Neurobiology Apoptosis
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat IHC-P=1:100-500, IHC-F=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	35kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TNFAIP1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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].

Function:

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in regulation of cytoskeleton structure. The BCR(BACURD2) 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.

Subcellular Location:

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

Post-translational modifications:

Phosphorylation at Ser-280 by CK2 facilitates the nucleus localization and increases interaction with PCNA.

Similarity:

Belongs to the BACURD family.
Contains 1 BTB (POZ) domain.

Database links:

[Entrez Gene: 7126](#) Human

[Entrez Gene: 21927](#) Mouse

[Entrez Gene: 287543](#) Rat

[Omim: 191161](#) Human

[SwissProt: Q13829](#) Human

[SwissProt: O70479](#) Mouse

[SwissProt: Q7TNY1](#) Rat

[Unigene: 76090](#) Human

[Unigene: 386774](#) Mouse



[Unigene: 18199](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

TNFAIP1 protein 是第一个被鉴定受 Tumour 坏死因子 α 诱导的蛋白,实验证明 TNFAIP1 蛋白可能参与 DNA 复制、合成、Apoptosis 以及人类的各种疾病等重要生理过程,但还有一些功能不清。