

Anti-TNFAIP1 Antibody

Catalog Number: PA1305

About TNFAIP1

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.

Overview

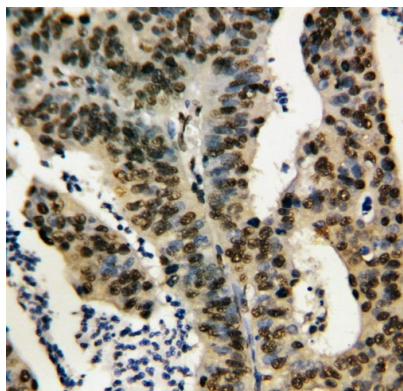
Product Name	Anti-TNFAIP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Rabbit IgG polyclonal antibody for BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2 (TNFAIP1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human; Mouse; Rat.
Application	IHC-P, IHC-F, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	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.
Host	Rabbit
Uniprot ID	Q13829

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human TNFAIP1 (27-52aa NKYVQLNVGGSLYTTVRALTRHDTM), identical to the related rat and mouse sequences.
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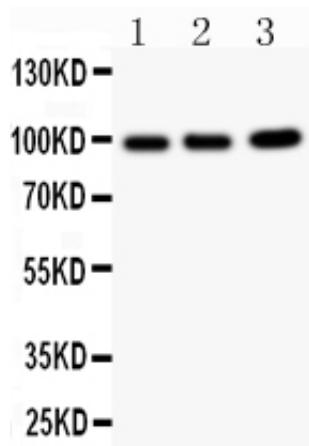
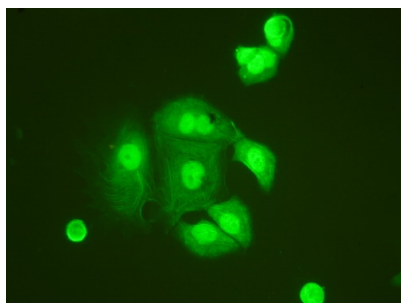
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P), IHC(F) and ICC.
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunocytochemistry , 0.5-1µg/ml, Human, Rat, Mouse Immunohistochemistry(Frozen Section), 0.5-1µg/ml, Human, Rat, Mouse Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5µg/ml, Human, Rat, Mouse For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-TNFAIP1 Antibody (PA1305) Images



Anti-TNFAIP1 antibody, PA1305, IHC(P)
IHC(P): Human Rectal Cancer Tissue

Anti-TNFAIP1 antibody, PA1305, ICC
ICC: HELA Cell



Anti-TNFαIP1 antibody, PA1305, Western blotting
All lanes: Anti TNFαIP1(PA1305) at 0.5ug/ml
Lane 1: Rat Thymus Tissue Lysate at 50ug
Lane 2: HELA Whole Cell Lysate at 40ug
Lane 3: COLO320 Whole Cell Lysate at 40ug
Predicted bind size: 36KD
Observed bind size: 36KD

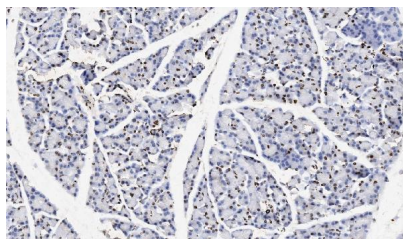


Figure 4. IHC analysis of TNFαIP1 using anti- TNFαIP1 antibody (PA1305).

TNFαIP1 was detected in paraffin-embedded section of rat pancreas tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti- TNFαIP1 Antibody (PA1305) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

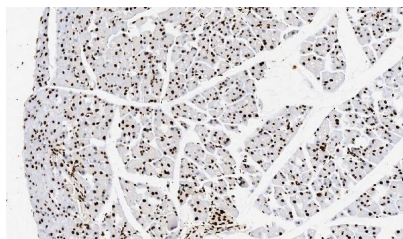


Figure 5. IHC analysis of TNFαIP1 using anti- TNFαIP1 antibody (PA1305).

TNFαIP1 was detected in paraffin-embedded section of mouse pancreas tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti- TNFαIP1 Antibody (PA1305) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

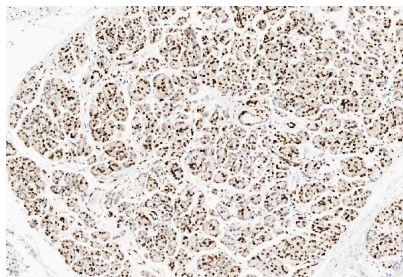


Figure 6. IHC analysis of TNFaIP1 using anti- TNFaIP1 antibody (PA1305).

TNFaIP1 was detected in paraffin-embedded section of human pancreas cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 μ g/ml rabbit anti- TNFaIP1 Antibody (PA1305) overnight at 4 $^{\circ}$ C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 $^{\circ}$ C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

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