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TNFAIP8L2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11345a

Product Information

Application	WB, E
Primary Accession	Q6P589
Other Accession	B7NZC7, NP_078851.2
Reactivity	Mouse
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28956
Calculated MW	20556
Antigen Region	29-58

Additional Information

Gene ID	79626
Other Names	Tumor necrosis factor alpha-induced protein 8-like protein 2, TIPE2, TNF alpha-induced protein 8-like protein 2, TNFAIP8-like protein 2, Inflammation factor protein 20, TNFAIP8L2
Target/Specificity	This TNFAIP8L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-58 amino acids from the N-terminal region of human TNFAIP8L2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TNFAIP8L2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TNFAIP8L2
Function	Acts as a negative regulator of innate and adaptive immunity by maintaining

	immune homeostasis (PubMed:27043859). Plays a regulatory role in the Toll-like signaling pathway by determining the strength of LPS-induced signaling and gene expression (PubMed:32188758). Inhibits TCR-mediated T-cell activation and negatively regulate T-cell function to prevent hyperresponsiveness (By similarity). Also inhibits autolysosome formation via negatively modulating MTOR activation by interacting with RAC1 and promoting the disassociation of the RAC1-MTOR complex (PubMed:32460619). Plays an essential role in NK-cell biology by acting as a checkpoint and displaying an expression pattern correlating with NK-cell maturation process and by negatively regulating NK-cell maturation and antitumor immunity (By similarity). Mechanistically, suppresses IL-15-triggered mTOR activity in NK-cells (By similarity).
Cellular Location	Cytoplasm. Nucleus. Lysosome
Tissue Location	Expressed in T-cells, B-cells, macrophages, neurons in the brain and brainstem, and stratified squamous epithelia of the esophagus, cervix and skin.

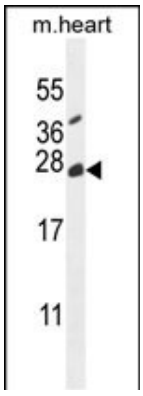
Background

Acts as a negative regulator of innate and adaptive immunity by maintaining immune homeostasis. Negative regulator of Toll-like receptor and T-cell receptor function. Prevents hyperresponsiveness of the immune system and maintains immune homeostasis. Inhibits JUN/AP1 and NF-kappa-B activation. Promotes Fas-induced apoptosis (By similarity).

References

Zhang, G., et al. Mol. Immunol. 47(15):2435-2442(2010)

Images



TNFAIP8L2 Antibody (N-term) (Cat. #AP11345a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the TNFAIP8L2 antibody detected the TNFAIP8L2 protein (arrow).