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TANK Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5860c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q92844
Other Accession	NP_004171.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22057
Calculated MW	47816
Antigen Region	88-114

Additional Information

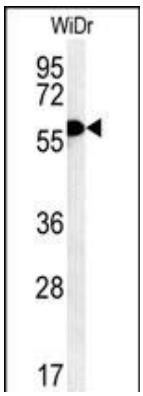
Gene ID	10010
Other Names	TRAF family member-associated NF-kappa-B activator, TRAF-interacting protein, I-TRAF, TANK, ITRAF, TRAF2
Target/Specificity	This TANK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-114 amino acids from the Central region of human TANK.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	TANK Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

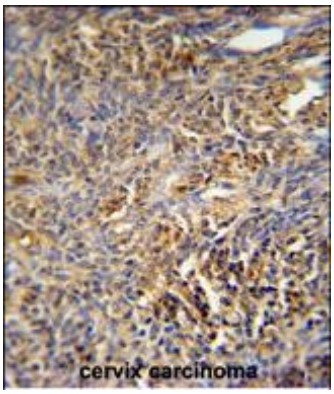
Name	TANK
Synonyms	ITRAF, TRAF2

Function	Adapter protein involved in I-kappa-B-kinase (IKK) regulation which constitutively binds TBK1 and IKBKE playing a role in antiviral innate immunity. Acts as a regulator of TRAF function by maintaining them in a latent state. Blocks TRAF2 binding to LMP1 and inhibits LMP1- mediated NF-kappa-B activation. Negatively regulates NF-kappaB signaling and cell survival upon DNA damage (PubMed:25861989). Plays a role as an adapter to assemble ZC3H12A, USP10 in a deubiquitination complex which plays a negative feedback response to attenuate NF-kappaB activation through the deubiquitination of IKBKG or TRAF6 in response to interleukin-1-beta (IL1B) stimulation or upon DNA damage (PubMed:25861989). Promotes UBP10-induced deubiquitination of TRAF6 in response to DNA damage (PubMed:25861989). May control negatively TRAF2- mediated NF-kappa-B activation signaled by CD40, TNFR1 and TNFR2.
Cellular Location	Cytoplasm.
Tissue Location	Ubiquitous.

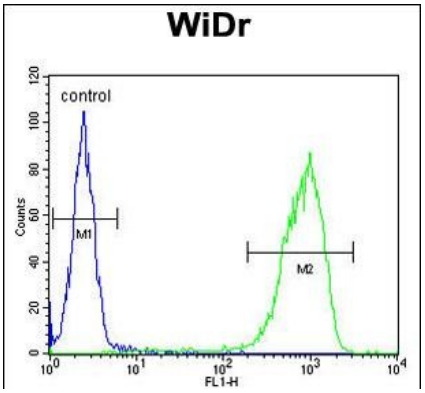
Images



TANK Antibody (Center) (Cat. #AP5860c) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the TANK antibody detected the TANK protein (arrow).



TANK Antibody (Center) (Cat. #AP5860c) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TANK Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



TANK Antibody (Center) (Cat. #AP5860c) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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