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TBRG1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6376a

Product Information

Application	WB, E
Primary Accession	Q3YBR2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14593
Calculated MW	44946
Antigen Region	6-36

Additional Information

Gene ID	84897
Other Names	Transforming growth factor beta regulator 1, Nuclear interactor of ARF and Mdm2, TBRG1, NIAM
Target/Specificity	This TBRG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-36 amino acids from the N-terminal region of human TBRG1.
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	TBRG1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TBRG1
Synonyms	NIAM
Function	Acts as a growth inhibitor. Can activate p53/TP53, causes G1 arrest and

	collaborates with CDKN2A to restrict proliferation, but does not require either protein to inhibit DNA synthesis. Redistributes CDKN2A into the nucleoplasm. Involved in maintaining chromosomal stability.
Cellular Location	Nucleus.
Tissue Location	Widely expressed at low levels in most tissues, with highest levels in pancreas, lung and liver. Expression is decreased in primary tumors including lung, liver, breast, pancreas and kidney carcinomas, chronic lymphocytic leukemia and diffuse large B- cell lymphoma.

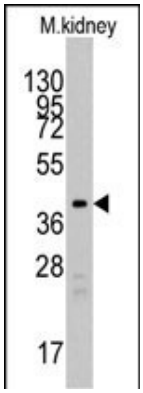
Background

TBRG1 acts as a growth inhibitor. It can activate TP53/p53, cause G1 arrest and collaborate with CDKN2A to restrict proliferation, but it does not require either protein to inhibit DNA synthesis. TBRG1 redistributes CDKN2A into the nucleoplasm, and is involved in maintaining chromosomal stability.

References

Tompkins,V.S., J. Biol. Chem. 282 (2), 1322-1333 (2007)
Babalola,G.O.,Mol. Reprod. Dev. 41 (2), 133-139 (1995)

Images



Western blot analysis of anti-TBRG1 Pab (Cat.#AP6376a) in mouse kidney tissue lysates (35ug/lane). TBRG1(arrow) was detected using the purified Pab.

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