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TBRG1 Rabbit pAb

Catalog # AP98165

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q3YBR2
Other Accession	Q3YBR2
Reactivity	Rat, Human
Predicted	Pig, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44946
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TBRG1
Epitope Specificity	28-130/411
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TBRG1 family.Contains 1 FYR C-terminal domain.Contains 1 FYR N-terminal domain.
SUBUNIT	Interacts with CDKN2A and MDM2.
Post-translational modifications	Ubiquitinated; mediated by MDM2 and leading to its subsequent proteasomal degradation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Acts as a growth inhibitor. Can activate TP53/p53, 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. There are two isoforms.

Additional Information

Gene ID	84897
Other Names	NIAM; TB-5; mFLJ00213; TBRG1_HUMAN; TBRG1; Nuclear interactor of ARF and Mdm2; TBRG1_MOUSE; TBRG1_RAT; transforming growth factor beta regulator 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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