10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TOB Rabbit pAb

Catalog # AP99306

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P50616
Other Accession	P50616
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38155
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TOB
Epitope Specificity	131-230/345
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 BTG family.
SUBUNIT	Interacts with ERBB2. Interacts with CNOT7 and CNOT8.
Post-translational modifications	Phosphorylated on Ser and Thr residues.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the transducer of erbB-2 /B-cell translocation gene protein family. Members of this family are anti-proliferative factors that have the potential to regulate cell growth. The encoded protein may function as a tumor suppressor. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Additional Information

Gene ID	10140
Other Names	APRO5; APRO6; PIG49; TOB; TROB; TROB1; TOB1_HUMAN; TOB1; Transducer of erbB-2 1; TOB1_MOUSE; TOB1_RAT; transducer of ERBB2, 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	TOB1
Synonyms	TOB, TROB1
Function	Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex (PubMed:23236473, PubMed:8632892). Mediates CPEB3-accelerated mRNA deadenylation by binding to CPEB3 and recruiting CNOT7 which leads to target mRNA deadenylation and decay (PubMed:21336257).
Cellular Location	Cytoplasm. Nucleus. Note=Only a small fraction localizes to the cytoplasm except in late S- phase where more than half of proteins become cytoplasmic
Tissue Location	Ubiquitous.

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