

Rabbit anti-Human TOB1 Polyclonal Antibody | anti-TOB1 antibody

TOB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322641	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

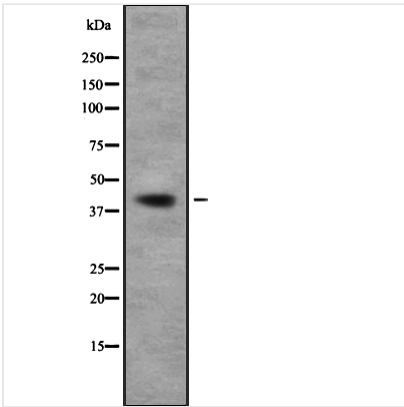
PRODUCT SYNONYMS

TOB1; Polyclonal Antibody; TOB1 Antibody; APRO 6; APRO6; MGC104792; MGC34446; PIG 49; PIG49; Proliferation inducing gene 49; Protein Tob1; RP23 244C22.1; TOB 1; Tob 1 protein; TOB; Tob1 protein; Transducer of ERBB 2 1; Transducer of erbB 2; Transducer of ERBB2 1; Transducer of erbB2; Trob; TROB 1; TROB1; anti-TOB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	TOB1 antibody detects endogenous levels of total TOB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	345
Applicable Applications for anti-TOB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TOB1
Subcellular Location	Nucleus
Tissue Specificity	Ubiquitous.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of TOB1 using HT29 whole cell lysates



IF (Immunofluorescence)
AAA322641 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TOB1 antibody	Function: Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex (PubMed:8632892, PubMed:23236473). Mediates CPEB3-accelerated mRNA deadenylation by binding to CPEB3 and recruiting CNOT7 which leads to target mRNA deadenylation and decay (PubMed:21336257). Subunit Structure: Interacts with ERBB2 (PubMed:8632892). Interacts with CNOT7 (PubMed:19276069, PubMed:21336257, PubMed:23236473). Interacts with CPEB3 (via C-terminal RNA-binding region); recruits CNOT7 to CPEB3 to form a ternary complex required for mRNA deadenylation and decay (PubMed:21336257). Interacts with CNOT8 (PubMed:23236473). Interacts with CPEB4 (PubMed:21336257). Post-translational Modifications: Phosphorylated on Ser and Thr residues. Similarity: Belongs to the BTG family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	345197216
NCBI GeneID	10140
NCBI Accession #	NP_001230806.1
NCBI GenBank Nucleotide #	NM_001243877.1
UniProt Accession #	P50616; Q4KMQ0; B2R9T0; D3DTY3
Molecular Weight	Observed: 40 kDa Predicted: 39 kDa
NCBI Official Full Name	protein Tob1 isoform 1
NCBI Official Synonym Full Names	transducer of ERBB2, 1
NCBI Official Symbol	TOB1
NCBI Official Synonym Symbols	TOB; TROB; APRO5; APRO6; PIG49; TROB1
NCBI Protein Information	protein Tob1
UniProt Protein Name	Protein Tob1
UniProt Gene Name	TOB1
UniProt Synonym Gene Names	TOB; TROB1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tob1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322641>