

Rabbit TOB1 Polyclonal Antibody | anti-TOB1 antibody

Phospho-TOB1 (Ser164) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329460	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

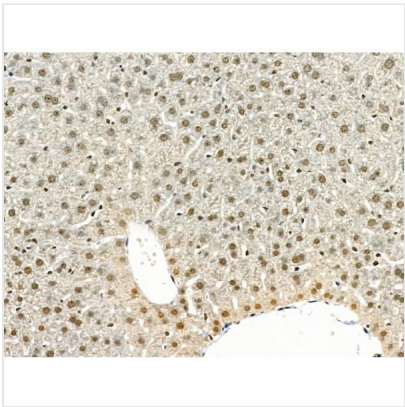
TOB1; Polyclonal Antibody; Phospho-TOB1 (Ser164) Antibody; APRO 6; APRO6; MGC104792; MGC34446; PIG 49; PIG49; Proliferation inducing gene 49; Protein Tob1; RP23 244C22.1; TOB 1; Tob 1 protein; TOB; Tob1 protein; Transducer of ERBB 2 1; Transducer of erbB 2; Transducer of ERBB2 1; Transducer of erbB2; Trob; TROB 1; TROB1; anti-TOB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-TOB1 (Ser164) Antibody detects endogenous levels of TOB1 only when phosphorylated at Ser164. Tissue Specificity: Ubiquitous.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TOB1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TOB1 around the phosphorylation site of Ser164.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated on Ser and Thr residues.
Subunit Structure	Interacts with ERBB2. Interacts with CNOT7. Interacts with CPEB3 (via C-terminal RNA-binding region); recruits CNOT7 to CPEB3 to form a ternary complex required for mRNA deadenylation and decay. Interacts with CNOT8. Interacts with CPEB4.
Similarity	Belongs to the BTG family.
Subcellular 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.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



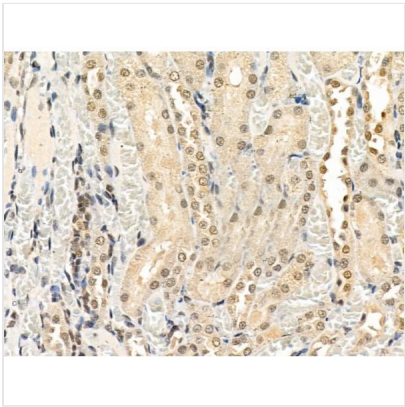
IHC (Immunohistochemistry)
At 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



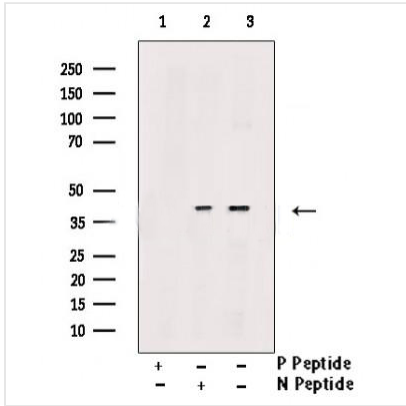
IHC (Immunohistochemistry)
At 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
Staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa , using Phospho-TOB1 (Ser164) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TOB1 antibody	Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex. Mediates CPEB3-accelerated mRNA deadenylation by binding to CPEB3 and recruiting CNOT7 which leads to target mRNA deadenylation and decay.
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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	38,155 Da
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; APRO6; PIG49; TROB1
NCBI Protein Information	protein Tob1; transducer of erbB-2 1; proliferation-inducing gene 49
UniProt Protein Name	Protein Tob1
UniProt Gene Name	TOB1
UniProt Synonym Gene Names	TOB; TROB1
UniProt Entry Name	TOB1_HUMAN

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-peptide-elisa-immunohistochemistry-western-blot-elisa/329460>