

Rat Protein Tob1 (TOB1) ELISA Kit | TOB1 elisa kit

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CATALOG #
AAA330183

REACTIVITY
Rat

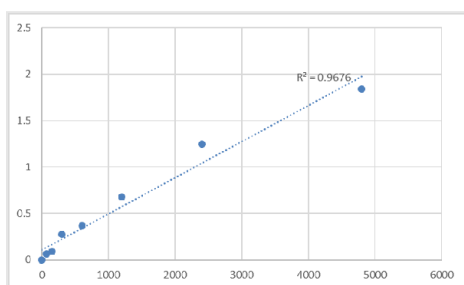
PRODUCT SYNONYMS

Protein Tob1 (TOB1); Rat Protein Tob1 (TOB1) ELISA Kit; TOB1; APRO6; MGC104792; MGC34446; PIG49; TOB; TROB; TROB1; transducer of erbB-2; TOB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Protein Tob1 (TOB1) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TOB1. No significant cross-reactivity or interference between Rat TOB1 and analogues was observed.
Sequence Length	365
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Protein Tob1 (TOB1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TOB1 elisa kit	Description: This Rat Protein Tob1 (TOB1) ELISA Kit employs a two-site sandwich ELISA to quantitate TOB1 in samples. An antibody specific for TOB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TOB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOB1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TOB1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TOB2 belongs to the TOB/BTG1 family of antiproliferative proteins, which are involved in the regulation of cell cycle progression.The deduced 344-amino acid TOB2 polypeptide has a calculated molecular mass of 37 kD. It shares 61% overall sequence homology with the TOB1 protein, and both proteins contain a putative nuclear localization signal in the conserved N-terminal domain. Immunofluorescence analysis revealed localization almost exclusively in the cytoplasm. Northern blot analysis of human adult tissues detected ubiquitous expression of a 4.1-kb transcript, with relatively high expression in skeletal muscle, thymus, and ovary. In situ hybridization in several mouse tissues demonstrated intense hybridization in ovary, with characteristic expression in oocytes. Immunoblot analysis revealed a 43-kD protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42559550
NCBI GeneID	170842
UniProt Accession #	Q8R5K6
NCBI Official Full Name	Protein Tob1
NCBI Official Synonym Full Names	transducer of ErbB-2.1
NCBI Official Symbol	Tob1
NCBI Protein Information	protein Tob1
UniProt Protein Name	Protein Tob1
UniProt Gene Name	Tob1
UniProt Entry Name	TOB1_RAT

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/rat-elisa-kits/protein-tob1-tob1/330183>