Human Protein Tob2 (TOB2) ELISA Kit

Catalog No: #EK6086

Package Size: #EK6086-1 48T #EK6086-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Protein Tob2 (TOB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	TOB4; TOBL; TROB2;
Accession No.	Q14106
Uniprot	Q14106
GeneID	10766;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TOB2 in samples. An antibody specific for TOB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOB2 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 TOB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview: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.

Note: This product is for in vitro research use only