

Rat Transmembrane and ubiquitin-like domain-containing protein 1 (TMUB1) ELISA Kit

Catalog No: #EK6295

Orders: order@signalwayantibody.com

Package Size: #EK6295-1 48T #EK6295-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat Transmembrane and ubiquitin-like domain-containing protein 1 (TMUB1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	C7orf21; MGC5442; SB144;
Accession No.	Q53AQ4
Uniprot	Q53AQ4
GeneID	362301;
Storage	<p>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.</p> <p>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).</p>

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 TMUB1 in samples. An antibody specific for TMUB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMUB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMUB1 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 TMUB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Tmub1 encodes for a protein, HOPS/DULP, containing transmembrane domains and a ubiquitin-like domain (UBL) Ubiquitin can be employed to modify proteins by either single or multiple ubiquitin conjugation to mark them for proteasomal destruction, endocytosis and binding to other proteins. Tmub1/HOPS was reported to facilitate the recycling of AMPA receptors into synaptic membrane in cultured primary neurons. Tmub1/HOPS was also found overexpressed during liver regeneration and is an essential constituent of centrosome assembly during cell cycles in culture. Like many UBL domain proteins, the physiological and molecular function of Tmub1 is far from being clear. The resulting mice Tmub1were put through an extensive battery of assays to discover physiological and behavioral phenotypes.

Note: This product is for in vitro research use only