

Bovine Synaptojanin-2-binding protein (SYNJ2BP) ELISA Kit



Catalog No: #EK6761

Orders: order@signalwayantibody.com

Package Size: #EK6761-1 48T #EK6761-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Bovine Synaptojanin-2-binding protein (SYNJ2BP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	ARIP2; FLJ11271; FLJ41973; OMP25; activin receptor interacting protein 5
Accession No.	Q3T0C9
Uniprot	Q3T0C9
GeneID	525107;
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 SYNJ2BP in samples. An antibody specific for SYNJ2BP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySYNJ2BP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNJ2BP 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 SYNJ2BP bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The 3-prime region of the transcript is AU rich and contains multiple mRNA instability repeats. The deduced 206-amino acid protein contains an N-terminal amphipathic helix, followed by a PDZ domain and a C-terminal transmembrane domain. Omp25 mRNA was widely expressed in rat tissues. Omp25 localized to the mitochondrial outer membrane via its C-terminal transmembrane region, with the PDZ domain facing the cytoplasm.

Overexpression of Omp25 resulted in perinuclear clustering of mitochondria in transfected cells, and this effect was mimicked by enforced expression of Synj2a on the mitochondrial outer membrane but not by a Synj2a mutant lacking the inositol-5 phosphatase domain.

Note: This product is for in vitro research use only