

Human Syntaxin-2 (STX2) ELISA Kit

Catalog No: #EK6712



Package Size: #EK6712-1 48T #EK6712-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Syntaxin-2 (STX2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	EPIM; EPM; MGC51014; STX2A; STX2B; STX2C; epimorphin
Accession No.	P32856
Uniprot	P32856
GeneID	2054;
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:0.312-20 ng/mL

Sensitivity:0.109 ng/mL

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 STX2 in samples. An antibody specific for STX2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySTX2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STX2 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 STX2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Syntaxins are a family of membrane integrated Q-SNARE proteins participating in exocytosis.Syntaxins possess a single C-terminal transmembrane domain, a SNARE domain (known as H3), and an N-terminal regulatory domain (Habc).

Syntaxin-2 is a protein belongs to the syntaxin/epimorphin family of proteins. The syntaxins are a large protein family implicated in the targeting and fusion of intracellular transport vesicles. The product of this gene regulates epithelial-mesenchymal interactions and epithelial cell morphogenesis and activation. Alternatively spliced transcript variants encoding different isoforms have been identified.

Note: This product is for in vitro research use only