

Human Selenium binding protein 1 (SELENBP1) ELISA Kit

Catalog No: #EK7406

Orders: order@signalwayantibody.com

Package Size: #EK7406-1 48T #EK7406-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Selenium binding protein 1 (SELENBP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-126K1.7; FLJ13813; LPSB; SP56; hSBP; hSP56;
Accession No.	Q13228
Uniprot	Q13228
GeneID	8991;
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:0.156-10 ng/mL

Sensitivity:0.055 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 SELENBP1 in samples. An antibody specific for SELENBP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySELENBP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SELENBP1 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 SELENBP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**protein belongs to the selenium-binding protein family. Selenium is an essential nutrient that exhibits potent anticarcinogenic properties, and deficiency of selenium may cause certain neurologic diseases. It has been proposed that the effects of selenium in preventing cancer and neurologic diseases may be mediated by selenium-binding proteins. The exact function of this gene is not known.

Highly expressed in liver, lung, colon, prostate, kidney and pancreas. In brain, present both in neurons and glia (at protein level). Down-regulated in lung adenocarcinoma, colorectal carcinoma and ovarian cancer. Two-fold up-regulated in brain and blood from schizophrenia patients.

Note: This product is for in vitro research use only