

Human Nesprin-2 (SYNE2) ELISA Kit

Catalog No: #EK6737



Package Size: #EK6737-1 48T #EK6737-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Nesprin-2 (SYNE2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp434H2235; DKFZp686E01115; DKFZp686H1931; EDMD5; FLJ11014; FLJ43727; FLJ45710; FLJ46790; KIAA1011; NUA; NUANCE; Nesprin-2; SYNE-2; nesprin 2 nucleus and actin connecting element synaptic nuclei
Accession No.	Q8WXH0
Uniprot	Q8WXH0
GeneID	23224;
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: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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate SYNE2 in samples. An antibody specific for SYNE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYNE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNE2 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 SYNE2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:SYNE2 is a nuclear outer membrane protein that binds cytoplasmic F-actin. This binding tethers the nucleus to the cytoskeleton and aids in the maintenance of the structural integrity of the nucleus. Several transcript variants encoding different isoforms have been found for this gene. SYNE2 contains multiple spectrin repeats and a 60-amino acid C-terminal region homologous to the Drosophila protein Klarsicht. RT-PCR analysis showed low to moderate expression of 2 SYNE2 splice variants in most tissues examined, including skeletal and cardiac muscle, kidney, liver, pancreas, and placenta, and indicated that alternative splicing patterns are conserved between SYNE1 and SYNE2. Nesprin-2-gamma also has a bipartite nuclear localization signal and a leucine zipper motif.

Note: This product is for in vitro research use only