

Human Nesprin-2 (SYNE2) ELISA Kit | SYNE2 elisa kit

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CATALOG #
AAA330630

REACTIVITY
Human

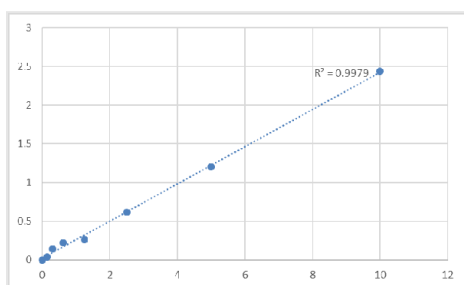
PRODUCT SYNONYMS

Nesprin-2 (SYNE2); Human Nesprin-2 (SYNE2) ELISA Kit; DKFZp434H2235; DKFZp686E01115; DKFZp686H1931; EDMD5; FLJ11014; FLJ43727; FLJ45710; FLJ46790; KIAA1011; NUA; NUANCE; Nesprin-2; SYNE-2; nesprin 2; nucleus and actin connecting element; synaptic nuclei; SYNE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Nesprin-2 (SYNE2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYNE2. No significant cross-reactivity or interference between Human SYNE2 and analogues was observed.
Sequence Length	429
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Nesprin-2 (SYNE2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYNE2 elisa kit	Description: This Human Nesprin-2 (SYNE2) ELISA Kit 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33624861
NCBI GeneID	23224
NCBI Accession #	NP_878914.1
NCBI GenBank Nucleotide #	NP_878914.1
UniProt Accession #	Q8WXH0
NCBI Official Full Name	nesprin-2 isoform 2
NCBI Official Synonym Full Names	spectrin repeat containing nuclear envelope protein 2
NCBI Official Symbol	SYNE2
NCBI Official Synonym Symbols	NUA; EDMD5; KASH2; Nesp2; TROPH; NUANCE; SYNE-2; Nesprin-2
NCBI Protein Information	nesprin-2
UniProt Protein Name	Nesprin-2
UniProt Gene Name	SYNE2
UniProt Synonym Gene Names	KIAA1011; NUA; Protein NUANCE; Syne-2
UniProt Entry Name	SYNE2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.