

Human Cytoplasmic dynein 1 heavy chain 1 (DYNC1H1) ELISA Kit



Catalog No: #EK10520

Orders: order@signalwayantibody.com

Package Size: #EK10520-1 48T #EK10520-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Cytoplasmic dynein 1 heavy chain 1 (DYNC1H1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DHC1; DHC1a; DKFZp686P2245; DNCH1; DNCL; DNECL; DYHC; Dnchc1; HL-3; KIAA0325; p22; cytoplasmic dynein 1 heavy chain 1 dynein heavy chain; cytosolic dynein; cytoplasmic; heavy polypeptide 1 dynein; c
Accession No.	Q14204
Uniprot	Q14204
GeneID	1778;
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:0.312-20 ng/mL

Sensitivity:0.113 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 DYNC1H1 in samples. An antibody specific for DYNC1H1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDYNC1H1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DYNC1H1 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 DYNC1H1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Dyneins are a group of microtubule-activated ATPases that serve to convert chemical energy into mechanical energy. Cytoplasmic dynein has been implicated in a variety of other forms of intracellular motility, including retrograde axonal transport, protein sorting between apical and basolateral surfaces, and redistribution of organelles like endosomes and lysosomes. The predicted partial protein sequence shares 99% and 34% identity with rat DHC1a and human DNHC2, respectively. Antibodies against DHC1 recognized a high molecular mass protein on Western blots of extracts from several mammalian cell lines. Northern blot analysis revealed that

DHC1 is expressed as an approximately 15-kb mRNA in several mammalian cells lines and human tissues, including those that make neither cilia nor flagella.

Note: This product is for in vitro research use only