

# Human Fibrous sheath-interacting protein 1 (FSIP1) ELISA Kit



Catalog No: #EK11254

Orders: order@signalwayantibody.com

Package Size: #EK11254-1 48T #EK11254-2 96T

Support: tech@signalwayantibody.com

## Description

|                    |  |
|--------------------|--|
| Product Name       | Human Fibrous sheath-interacting protein 1 (FSIP1) ELISA Kit   |
| Brief Description  | ELISA Kit  |
| Applications       | ELISA  |
| Species Reactivity | Human (Homo sapiens)   |
| Other Names        | FLJ35989; HSD10;   |
| Accession No.      | Q8NA03   |
| Uniprot            | Q8NA03   |
| GeneID             | 161835;  |
| 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:0.127 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 FSIP1 in samples. An antibody specific for FSIP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFSIP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FSIP1 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 FSIP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**FSIP1, also known as HDS10, is a recently discovered gene that encodes fibrous sheath interacting protein 1, and is regulated by amyloid beta precursor protein (APP). Recently, it has been reported that a peptide derived from APP is cleaved by alpha disintegrin and metalloproteinase 33 (ADAM33), which is an asthma susceptibility gene. It has also been known that the FSIP1 gene is expressed in airway epithelium. FSIP1 gene might be a susceptibility gene for aspirin intolerance in asthmatics. AKAP4 binds AKAP3 and two novel spermatogenic cell-specific proteins,Fibrous Sheath Interacting Proteins 1 and 2 (FSIP1, FSIP2). Transcription of Akap4, Akap3, and Fsp1 begins in early spermatid development, whereas transcription of Fsp2 begins in late spermatocyte development.

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Note: This product is for in vitro research use only