

## Human Exportin-5 (XPO5) ELISA Kit

Catalog No: #EK5808



Package Size: #EK5808-1 48T #EK5808-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human Exportin-5 (XPO5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP3-337H4.5; FLJ14239; FLJ32057; FLJ45606; KIAA1291;
Accession No.	Q9HAV4
Uniprot	Q9HAV4
GeneID	57510;
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:0.115 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 XPO5 in samples. An antibody specific for XPO5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyXPO5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XPO5 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 XPO5 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Exportin-5 belongs to a large family of karyopherins that mediate the transport of proteins and other cargo between the nuclear and cytoplasmic compartments. The deduced 1,205-amino acid protein has a calculated molecular mass of about 136 kD. XPO5 and XPO1 share 25% amino acid identity.

Northern blot analysis detected transcripts of about 3.6 and 5.0 kb in all tissues examined.XPO5 bound the nucleoporins NUP214 and NUP153 in a RAN-GTP-independent manner and bound a cargo protein, ILF3, in a RAN-GTP-dependent manner. XPO5 bound ILF3 at its double-stranded RNA-binding domain (dsRBD) and also bound the dsRBDs of other proteins. XPO5 directly interacted with VA1 RNA in a RAN-GTP-dependent manner.

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Note: This product is for in vitro research use only