

## Human DmX-like protein 2 (DMXL2) ELISA Kit

Catalog No: #EK10561



Package Size: #EK10561-1 48T #EK10561-2 96T

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## Description

Product Name	Human DmX-like protein 2 (DMXL2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ26672; KIAA0856; RC3; rabconnectin 3 rabconnectin-3
Accession No.	Q8TDJ6
Uniprot	Q8TDJ6
GeneID	23312;
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:Request Information

Sensitivity:Request Information

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 DMXL2 in samples. An antibody specific for DMXL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDMXL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DMXL2 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 DMXL2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DMXL2 shares significant homology with DMXL1. RT-PCR ELISA detected moderate expression in brain, lung, liver, kidney, testis, and ovary. Expression was low in heart and undetectable in skeletal muscle, pancreas, and spleen.

The deduced 3,036-amino acid protein has a calculated molecular mass of 339.8 kD and contains 12 WD domains. Western blot analysis of rat tissues showed abundant expression of DmXl2 in brain only, and subcellular distribution analysis revealed enrichment in the synaptic vesicle fraction. Immunofluorescence and immunoelectron microscopy of mouse hippocampus and primary cultured rat hippocampal neurons showed that DmXl2 was concentrated on synaptic vesicles at synapses.

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Note: This product is for in vitro research use only