Mouse Protein prune homolog 2 (PRUNE2) ELISA Kit

Catalog No: #EK8071

Package Size: #EK8071-1 48T #EK8071-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Protein prune homolog 2 (PRUNE2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP11-214N16.3; A214N16.3; BMCC1; BNIPXL; C9orf65; DKFZp762K117; FLJ50060; FLJ54876; FLJ59118; KIAA0367; RP11-58J3.2; bA214N16.3; BCH motif-containing molecule at the carboxyl terminal region 1|BNIP2
Accession No.	Q52KR3
Uniprot	Q52KR3
GeneID	353211;
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: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 PRUNE2 in samples. An antibody specific for PRUNE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRUNE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRUNE2 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 PRUNE2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The deduced 2,714-amino acid protein has a coiled-coil sequence, a proline-rich region, a P loop, and a C-terminal BNIP2 and CDC42GAP (ARHGAP1) homology (BCH) domain, which contains 3 putative transmembrane domains. Northern blot analysis detected a 12-kb transcript in fetal brain. Semiquantitative RT-PCR revealed BMCC1 expression in all tissues examined except bone marrow, thymus, and spleen.

Expression was highest in brain, cerebellum, spinal cord, and adrenal gland. RT-PCR of synchronized HeLa cells showed that BMCC1 was predominantly expressed in G1 phase of the cell cycle. In situ hybridization of mouse embryos showed that Bmcc1 was specifically expressed in neural tube and neural crest-related tissues.

Note: This product is for in vitro research use only