

Human Adaptor Protein Phosphotyrosine Interaction PH Domain And leucine Zipper Containing Protein 1 (APPL1) ELISA Kit | APPL1 elisa kit

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CATALOG # AAA189873	REACTIVITY Human
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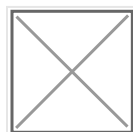
PRODUCT SYNONYMS

Adaptor Protein Phosphotyrosine Interaction PH Domain And leucine Zipper Containing Protein 1 (APPL1); Human Adaptor Protein Phosphotyrosine Interaction PH Domain And leucine Zipper Containing Protein 1 (APPL1) ELISA Kit; APPL; DIP13A; DIP13alpha; DCC-interacting protein 13-alpha; APPL1/Adaptor Protein Phosphotyrosine Interaction PH Domain And leucine Zipper Containing Protein 1; APPL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APPL1. No significant cross-reactivity or interference between APPL1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.114g/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APPL1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level APPL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APPL1 elisa kit	<p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to APPL1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to APPL1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain APPL1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of APPL1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APPL1 in human tissue homogenates, cell lysates and other biological fluids.</p>
Product Categories/Family for APPL1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912242
NCBI GeneID	26060
NCBI Accession #	NP_036228.1
NCBI GenBank Nucleotide #	NM_012096.2
UniProt Accession #	Q9UKG1; Q9P2B9
Molecular Weight	79,663 Da
NCBI Official Full Name	DCC-interacting protein 13-alpha
NCBI Official Synonym Full Names	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1
NCBI Official Symbol	APPL1
NCBI Official Synonym Symbols	APPL; DIP13alpha
NCBI Protein Information	DCC-interacting protein 13-alpha; dip13-alpha; AKT2 interactor; signaling adaptor protein DIP13alpha; adapter protein containing PH domain, PTB domain and leucine zipper motif 1; adaptor protein containing pH domain, PTB domain and leucine zipper motif 1
UniProt Protein Name	DCC-interacting protein 13-alpha
UniProt Gene Name	APPL1
UniProt Synonym Gene Names	APPL; DIP13A; KIAA1428; Dip13-alpha
UniProt Entry Name	DP13A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.