

Rat Actin-binding protein IPP (IPP) ELISA Kit | IPP elisa kit

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CATALOG #
AAA245902

REACTIVITY
Rat

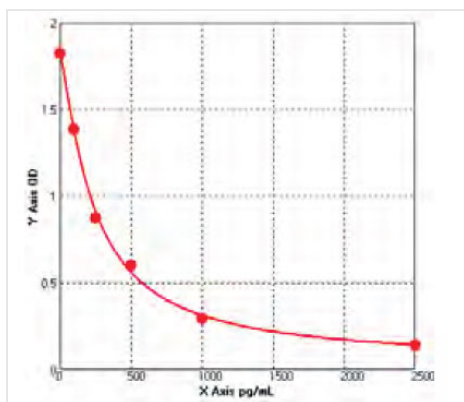
PRODUCT SYNONYMS

Actin-binding protein IPP (IPP); Rat Actin-binding protein IPP (IPP) ELISA Kit; IPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IPP. No significant cross-reactivity or interference between IPP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IPP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IPP elisa kit	Intended Uses: This IPP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatIPP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: IPP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IPP antibody and an IPP-HRP conjugate. The assay sample and buffer are incubated together with IPP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IPP concentration since IPP from samples and IPP-HRP conjugate compete for the anti-IPP antibody binding site. Since the number of sites is limited, as more sites are occupied by IPP from the sample, fewer sites are left to bind IPP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IPP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IPP elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	223890235
NCBI GeneID	3652
NCBI Accession #	NP_001138821.1
NCBI GenBank Nucleotide #	NM_001145349.1
Molecular Weight	65,592 Da
NCBI Official Full Name	actin-binding protein IPP isoform 2
NCBI Official Synonym Full Names	intracisternal A particle-promoted polypeptide
NCBI Official Symbol	IPP
NCBI Official Synonym Symbols	KLHL27
NCBI Protein Information	actin-binding protein IPP; kelch-like protein 27; kelch-like family member 27
UniProt Protein Name	Actin-binding protein IPP
UniProt Gene Name	IPP
UniProt Synonym Gene Names	KLHL27; IPP
UniProt Entry Name	IPP_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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/actin-binding-protein-ipp-ipp/245902>