

Human Zymogen Granule Protein 16 Homolog B (ZG16B) ELISA Kit | ZG16B elisa kit

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CATALOG #
AAA330233

REACTIVITY
Human

PRODUCT SYNONYMS

Zymogen Granule Protein 16 Homolog B (ZG16B); Human Zymogen Granule Protein 16 Homolog B (ZG16B) ELISA Kit; ZG16B; HRPE773; JCLN2; PAUF; PRO1567; jacalin-like lectin domain containing 2; pancreatic adenocarcinoma upregulated factor; zymogen granule protein 16 homolog B; ZG16B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Zymogen granule protein 16 homolog B (ZG16B) ELISA Kit has high sensitivity and excellent specificity for detection of Human ZG16B. No significant cross-reactivity or interference between Human ZG16B and analogues was observed.
Sequence Length	208
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Zymogen granule protein 16 homolog B (ZG16B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ZG16B elisa kit	Description: This Human Zymogen granule protein 16 homolog B (ZG16B) ELISA Kit employs a two-site sandwich ELISA to quantitate ZG16B in samples. An antibody specific for ZG16B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ZG16B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZG16B 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 ZG16B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ZG16b/PAUF has recently been found to play a role in gene regulation and cancer metastasis. However, the detailed functions of ZG16p and ZG16b remain to be clarified. ZG16p has a Jacalin-related beta-prism fold, the first to be reported among mammalian lectins. The putative sugar-binding site of ZG16p is occupied by a glycerol molecule, mimicking the mannose bound to Jacalin-related mannose-binding-type plant lectins such as Banlec. ZG16b also has a beta-prism fold, but some amino acid residues of the putative sugar-binding site differ from those of the mannose-type binding site suggesting altered preference. A positively charged patch, which may bind sulfated groups of the glycosaminoglycans, is located around the putative sugar-binding site of ZG16p and ZG16b. The sugar-binding site and the adjacent basic patch of ZG16p and ZG16b cooperatively form a functional glycosaminoglycan-binding site.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94536866
NCBI GeneID	124220
NCBI Accession #	NP_660295.2
NCBI GenBank Nucleotide #	NP_660295.2
UniProt Accession #	Q96DA0
NCBI Official Full Name	zymogen granule protein 16 homolog B
NCBI Official Synonym Full Names	zymogen granule protein 16B
NCBI Official Symbol	ZG16B
NCBI Official Synonym Symbols	EECP; PAUF; JCLN2; HRPE773; PRO1567
NCBI Protein Information	zymogen granule protein 16 homolog B
UniProt Protein Name	Zymogen granule protein 16 homolog B
UniProt Gene Name	ZG16B

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/zymogen-granule-protein-16-homolog-b-zg16b/330233>