

Human Platelet-Activating Factor Acetylhydrolase 2, Cytoplasmic (PAFAH2) ELISA Kit | PAFAH2 elisa kit

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CATALOG #
AAA331482

REACTIVITY
Human

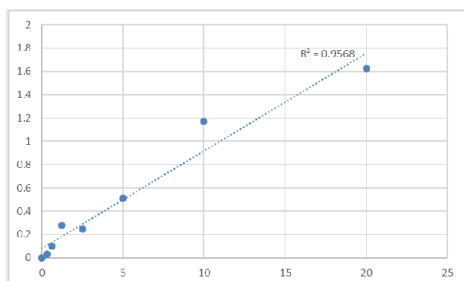
PRODUCT SYNONYMS

Platelet-Activating Factor Acetylhydrolase 2; Cytoplasmic (PAFAH2); Human Platelet-Activating Factor Acetylhydrolase 2; Cytoplasmic (PAFAH2) ELISA Kit; PAFAH2; FLJ26025; HSD-PLA2; OTTHUMP00000008596; platelet-activating factor acetylhydrolase 2; PAFAH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Platelet-activating factor acetylhydrolase 2, cytoplasmic (PAFAH2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PAFAH2. No significant cross-reactivity or interference between Human PAFAH2 and analogues was observed.
Sequence Length	392
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 Platelet-activating factor acetylhydrolase 2, cytoplasmic (PAFAH2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PAFAH2 elisa kit	Description: This Human Platelet-activating factor acetylhydrolase 2, cytoplasmic (PAFAH2) ELISA Kit employs a two-site sandwich ELISA to quantitate PAFAH2 in samples. An antibody specific for PAFAH2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PAFAH2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAFAH2 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 PAFAH2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Platelet-activating factor acetylhydrolase 2, cytoplasmic is a single-subunit intracellular enzyme that catalyzes the removal of the acetyl group at the SN-2 position of platelet-activating factor (identified as 1-O-alkyl-2-acetyl-sn-glycerol-3-phosphorylcholine). However, this lipase exhibits a broader substrate specificity than simply platelet activating factor. Two other isoforms of intracellular platelet-activating factor acetylhydrolase exist, and both are multi-subunit enzymes. Additionally, there is a single-subunit serum isoform of this enzyme. PAFAH2 shares approximately 43% identity with plasma PAFAH, but has virtually no similarity to brain PAFAH1B1. Unlike PAFAH, PAFAH2 contains no secretory signal sequence, confirming its intracellular localization.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758878
NCBI GeneID	5051
NCBI Accession #	NP_000428.2
NCBI GenBank Nucleotide #	NP_000428.2
UniProt Accession #	Q99487
NCBI Official Full Name	platelet-activating factor acetylhydrolase 2, cytoplasmic
NCBI Official Synonym Full Names	platelet activating factor acetylhydrolase 2
NCBI Official Symbol	PAFAH2
NCBI Official Synonym Symbols	HSD-PLA2
NCBI Protein Information	platelet-activating factor acetylhydrolase 2, cytoplasmic
UniProt Protein Name	Platelet-activating factor acetylhydrolase 2, cytoplasmic
UniProt Gene Name	PAFAH2
UniProt Synonym Gene Names	SD-PLA2; hSD-PLA2
UniProt Entry Name	PAFA2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/platelet-activating-factor-acetylhydrolase-2-cytoplasmic-pafah2/331482>