

Human Prolyl-4-Hydroxylase Alpha Polypeptide III (P4Ha3) ELISA Kit | P4Ha3 elisa kit

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CATALOG #
AAA63472

REACTIVITY
Human

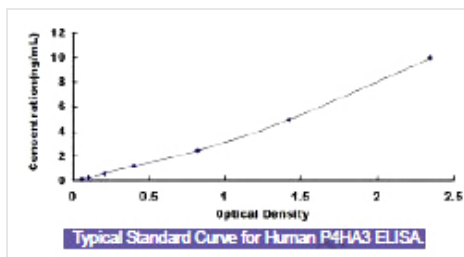
PRODUCT SYNONYMS

Prolyl-4-Hydroxylase Alpha Polypeptide III (P4Ha3); Human Prolyl-4-Hydroxylase Alpha Polypeptide III (P4Ha3) ELISA Kit; Procollagen-Proline; 2-Oxoglutarate 4-Dioxygenase(Proline 4-Hydroxylase); Alpha Polypeptide III; P4Ha3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of P4HA3. No significant cross-reactivity or interference between P4HA3 and analogues was observed.
Sequence Length	604
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.066ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level P4HA3 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 P4HA3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P4Ha3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of P4HA3 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to P4HA3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to P4HA3. 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 P4HA3, 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 P4HA3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	570700854
NCBI GeneID	283208
NCBI Accession #	NP_001275677.1
NCBI GenBank Nucleotide #	NM_001288748.1
UniProt Accession #	Q7Z4N8; Q5EBL3; Q5JPA9; A0AV13; B4DUD3
Molecular Weight	67,591 Da
NCBI Official Full Name	prolyl 4-hydroxylase subunit alpha-3 isoform 2
NCBI Official Synonym Full Names	prolyl 4-hydroxylase subunit alpha 3
NCBI Official Symbol	P4HA3
NCBI Protein Information	prolyl 4-hydroxylase subunit alpha-3
UniProt Protein Name	Prolyl 4-hydroxylase subunit alpha-3
UniProt Gene Name	P4HA3
UniProt Synonym Gene Names	4-PH alpha-3

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/human-elisa-kits/prolyl-4-hydroxylase-alpha-polypeptide-iii-p4ha3/63472>