

Human Pygopus Homolog 1 (PYGO1) ELISA Kit | PYGO1 elisa kit

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CATALOG #
AAA331199

REACTIVITY
Human

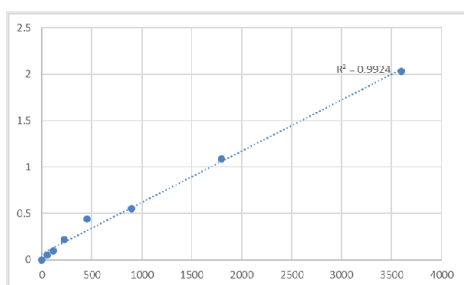
PRODUCT SYNONYMS

Pygopus Homolog 1 (PYGO1); Human Pygopus Homolog 1 (PYGO1) ELISA Kit; PYGO1; DKFZp547G0910; pygopus 1; pygopus homolog 1; pygopus-like protein 1; PYGO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pygopus homolog 1 (PYGO1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PYGO1. No significant cross-reactivity or interference between Human PYGO1 and analogues was observed.
Sequence Length	419
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 Pygopus homolog 1 (PYGO1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PYGO1 elisa kit	Description: This Human Pygopus homolog 1 (PYGO1) ELISA Kit employs a two-site sandwich ELISA to quantitate PYGO1 in samples. An antibody specific for PYGO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PYGO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYGO1 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 PYGO1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: WNT signaling controls many fundamental processes during animal development. WNT transduction is mediated by the association of beta-catenin with nuclear TCF DNA-binding factors.Lgs encodes the homolog of human BCL9, and the authors provided genetic and molecular evidence that these proteins exert their function by physically linking Pygo to beta-catenin. The PYGO1 and PYGO2 proteins, which contain 419 and 406 amino acids, respectively, possess a highly conserved PHD finger that interacts with homology domain-1 (HD1) of BCL9. The findings suggested that the recruitment of PYGO permits beta-catenin to transcriptionally activate WNT target genes and raised the possibility that a deregulation of these events may play a causal role in the development of B-cell malignancies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30911103
NCBI GeneID	26108
NCBI Accession #	NP_056432.1
NCBI GenBank Nucleotide #	NP_056432.1
UniProt Accession #	Q9Y3Y4
NCBI Official Full Name	pygopus homolog 1 isoform 1
NCBI Official Synonym Full Names	pygopus family PHD finger 1
NCBI Official Symbol	PYGO1
NCBI Protein Information	pygopus homolog 1
UniProt Protein Name	Pygopus homolog 1
UniProt Gene Name	PYGO1
UniProt Entry Name	PYGO1_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/human-elisa-kits/pygopus-homolog-1-pygo1/331199>