

Rabbit anti-Human PYGO2/Pygopus-2 Polyclonal Antibody | anti-PYGO2 antibody

Anti-PYGO2/Pygopus-2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254649	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PYGO2/Pygopus-2; Polyclonal Antibody; Anti-PYGO2/Pygopus-2 Antibody; Rabbit Polyclonal; Pygopus-2/PYGO2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-1190004M21Rik Antibody; Anti-PP7910 Antibody; anti-PYGO2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Pygopus-2/PYGO2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PYGO2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human Pygopus-2/PYGO2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human Pygopus-2/PYGO2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PYGO2 was immunoprecipitated using: Lane A: 0.5 mg MCF7 Whole Cell Lysate 1 uL anti-PYGO2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PYGO2 rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 41 kDa. Observed band size: 54 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of PYGO2 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PYGO2 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 594-conjugated Goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to Nucleus.



WB (Western Blot)

Anti-PYGO2 rabbit polyclonal antibody at 1:500 dilution Lane A: MCF7 Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lane C: 293T Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 41 kDa Observed band size: 50 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PYGO2 antibody	PYGO2 overexpression enhances primary tumor growth and local invasion to draining lymph nodes. Conversely, PYGO2 depletion inhibits prostate cancer cell invasion in vitro and progression of primary tumor and metastasis in vivo In clinical samples, PYGO2 upregulation is associated with higher Gleason score and metastasis to lymph nodes and bone. Silencing PYGO2 expression in patient-derived xenograft models impairs tumor progression. Finally, PYGO2 is necessary to enhance the transcriptional activation in response to ligand-induced Wnt/beta-catenin signaling. YGO2 functions as a driver oncogene in the 1q21.3 amplicon and may serve as a potential prognostic biomarker and therapeutic target for metastatic prostate cancer.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	56676333
NCBI GeneID	90780
NCBI Accession #	NP_612157.1
NCBI GenBank Nucleotide #	NM_138300
UniProt Accession #	Q9BRQ0; Q8WYZ4; Q96CY2
Molecular Weight	41,244 Da
NCBI Official Full Name	Homo sapiens pygopus family PHD finger 2 (PYGO2), mRNA
NCBI Official Synonym Full Names	pygopus family PHD finger 2
NCBI Official Symbol	PYGO2
NCBI Official Synonym Symbols	1190004M21Rik
NCBI Protein Information	pygopus homolog 2; pygopus 2
UniProt Protein Name	Pygopus homolog 2
UniProt Gene Name	PYGO2
UniProt Entry Name	PYGO2_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://stage.aaabiotech.com/polyclonal/pygo2-pygopus-2-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/254649>