

Rabbit anti-Human, Mouse Pygopus 2 Polyclonal Antibody | anti-PYGO2 antibody

Pygopus 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311964	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Western Blot

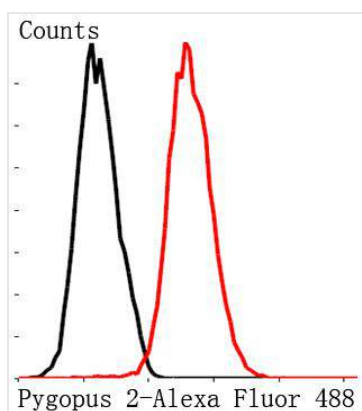
PRODUCT SYNONYMS

Pygopus 2; Polyclonal Antibody; Pygopus 2 Antibody; 1190004M21Rik antibody; FLJ33226 antibody; PP7910 antibody; PYGO2 antibody; Pygo2 protein antibody; PYGO2_HUMAN antibody; Pygopus 2 antibody; pygopus homolog 2 (Drosophila) antibody; Pygopus homolog 2 antibody; anti-PYGO2 antibody

PRODUCT SPECIFICATIONS

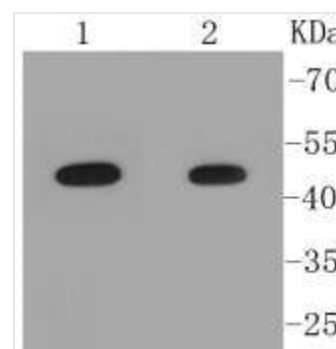
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PYGO2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of MCF-7 cells with Pygopus 2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated Goat anti rabbit IgG was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on NCCIT (1) and HeLa (2) cell lysates using anti-Pygopus 2 rabbit polyclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PYGO2 antibody	Pygopus 2, also known as PYGO2, is a 406 amino acid protein that is the human homolog of the Drosophila pygopus protein. Localized to the nucleus, Pygopus 2 contains one PHD finger that interacts with the homology domain of the Wnt signaling protein Bcl-9. This interaction joins Pygopus 2 with the -catenin/TCF complex (a crucial complex in Wnt signaling), thereby allowing -catenin to transcriptionally activate Wnt target genes. Association of Pygopus 2 with proteins involved in the Wnt signaling pathway is thought to regulate proper signal transduction, as absence of the Pygopus 2/-catenin interaction may play a role in development of B-cell malignancies. In addition, Pygopus 2 expression is upregulated in and required for the growth of breast cancer cells, suggesting a crucial role in carcinogenesis.
Product Categories/Family for anti-PYGO2 antibody	Total protein Ab

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pygopus-2-antibody-flow-cytometry-western-blot-elisa/311964>