PYGO1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Pygo1, Polyclonal Antibody
Full Product Name	Pygo1 (Pygopus Homolog 1) (MaxLight 650)
Product Gene Name	anti-Pygo1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by affinity chromatography.
Specificity	Recognizes human Pygo1. Species Crossreactivity: mouse and rat.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	45,318 Da
OMIM	606902
3D Structure	ModBase 3D Structure for Q9Y3Y4
Immunogen	Synthetic linear peptide corresponding to human Pygopus Homolog 1 (KLH). Species sequence homology: chimpanzee and rhesus macaque (100%).
Conjugate	MaxLight650
Positive Control	Human placenta tissue lysate
Note	Preservative Free
Product Categories/Family for anti-Pygo1 antibody	Antibodies; Signal Transduction
Applications Tested/Suitable for anti-Pygo1 antibody	Western Blot (WB)
Application Notes for anti-Pygo1 antibody	WB: 0.1ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-Pygo1 antibody	MBS6270053 is an antibody targeting Pygo1. Also known as Pygo1 (Pygopus Homolog 1) (MaxLight 650). Reactive in Human, Mouse, Rat. Host: Rabbit.
Product References and Citations for anti-Pygo1 antibody	1. Kramps, T., et al. (2002). Cell. 109(1):46-60. 2. Hoffmans, R., et al. (2007). Mech Dev. 124(1):59-67.
Other Notes	Small volumes of anti-Pygo1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pygo1. It may not necessarily be applicable to this product.

NCBI GI #	30911103
NCBI GeneID	26108
NCBI Accession #	NP_056432.1
UniProt Primary Accession #	Q9Y3Y4
UniProt Secondary Accession #	A7Y2D6
UniProt Related Accession #	Q9Y3Y4
GenBank Nucleotide #	NM_015617.2
NCBI Official Full Name	pygopus homolog 1
NCBI Official Synonym Full Names	pygopus family PHD finger 1
NCBI Official Symbol	PYGO1
UniProt Protein Name	Pygopus homolog 1
Protein Family	Pygopus
UniProt Gene Name	PYGO1
UniProt Entry Name	PYGO1_HUMAN
NCBI Protein Information	pygopus homolog 1; pygopus-like protein 1
UniProt Comments for Pygo1	Function: Involved in signal transduction through the Wnt pathway. Subunit structure: Binds to BCL9 via The PHD-type zinc finger motiv, and thereby becomes part of the nuclear beta-catenin/TCF complex. Found in a complex with BCL9L, CDC73, CTNNB1 and PYGO1. Subcellular location: Nucleus Probable. Sequence similarities: Contains 1 PHD-type zinc finger.
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