

Product Datasheet

Pygopus-2 Antibody NBP1-46171

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 4

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NBP1-46171

Pygopus-2 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

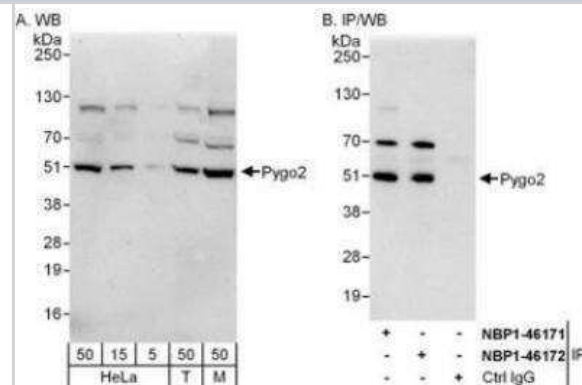
Product Description	
Description	Novus Biologicals Rabbit Pygopus-2 Antibody (NBP1-46171) is a polyclonal antibody validated for use in IHC, WB, IP and ChIP. Anti-Pygopus-2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	90780
Gene Symbol	PYGO2
Species	Human, Mouse, Zebrafish
Reactivity Notes	Zebrafish reactivity reported in scientific literature (PMID: 30366904).
Immunogen	The immunogen for this product maps to a region between residue 1 and 50 of human Pygopus 2 using the numbering given in entry NP_612157.1 (GeneID 90780).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:500, Chromatin Immunoprecipitation (ChIP) Reported in scientific publication (PMID: 23637336)
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

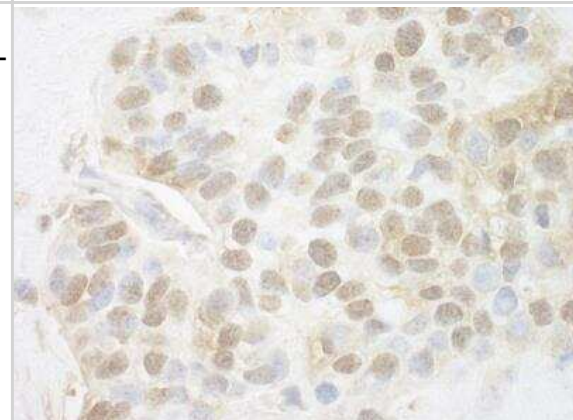


Images

Western Blot: Pygopus-2 Antibody [NBP1-46171] - Whole cell lysate from HeLa (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded), 293T (T; 50 mcg), and mouse NIH3T3 (M; 50 mcg) cells. Affinity purified rabbit anti-Pygo2 antibody used for WB at 0.04 mcg/ml (A) and 0.4 mcg/ml (B) and used for IP at 3 mcg/mg lysate. Pygo2 was also immunoprecipitated by rabbit anti-Pygo2 antibody NBP1-46172, which recognizes a downstream epitope.



Immunohistochemistry-Paraffin: Pygopus-2 Antibody [NBP1-46171] - Section of human breast carcinoma. Antibody: Affinity purified rabbit anti-Pygo2 used at a dilution of 1:200 (1ug/ml) Detection: DAB



Publications

Mukherjee S, Luedeke DM, McCoy L et al. SOX transcription factors direct TCF-independent WNT/ beta-catenin responsive transcription to govern cell fate in human pluripotent stem cells *Cell reports* 2022-08-23 [PMID: 36001974]

Cantu C, Felker A, Zimmerli D et al. Mutations in Bcl9 and Pygo genes cause congenital heart defects by tissue-specific perturbation of Wnt/beta-catenin signaling *Genes Dev.* 2018-10-31 [PMID: 30366904] (Chemotaxis, Zebrafish)

Cantu C, Pagella P, Shajiei TD et al. A cytoplasmic role of Wnt/b-catenin transcriptional cofactors Bcl9, Bcl9l, and Pygopus in tooth enamel formation. *Sci Signal.* 2017-02-07 [PMID: 28174279]

Cantu C, Valenta T, Hausmann G et al. The Pygo2-H3K4me2/3 interaction is dispensable for Mouse development and Wnt signaling-dependent transcription. *Development* 2013-06-01 [PMID: 23637336] (Chemotaxis, WB, Mouse)



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Products Related to NBP1-46171

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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