

Product Datasheet

HOXA5 Rabbit Polyclonal Antibody (orb330051)

Catalog Number	orb330051
Category	Antibodies
Description	Rabbit polyclonal antibody to HOXA5
Target	HOXA5
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Bovine, Canine, Equine, Guinea pig, Rabbit, Rat, Zebrafish
Form/Appearance	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml
Buffer/Preservatives	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification	Affinity Purified
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human HOXA5
Protein Sequence	Synthetic peptide located within the following region: FNRYLTRRRRIEIAHALCLSERQIKIWFQNRMMKWKKDNKLKSMMAAG
UniProt ID	A2D5Y4

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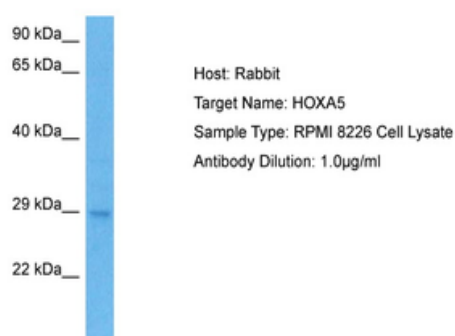
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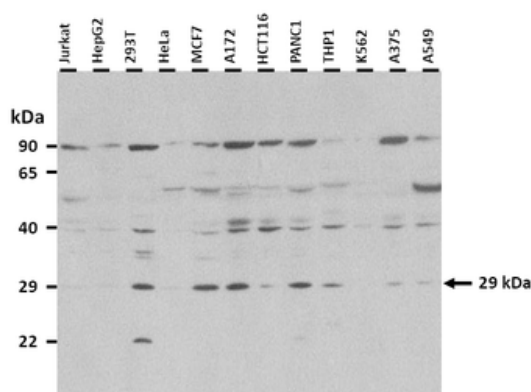
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MW	29 kDa
Tested applications	IHC, WB
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	NP_061975
Expiration Date	12 months from date of receipt.



Sample Tissue: Human RPMI 8226 Whole Cell, Antibody Dilution: 5 µg/mL.



25 µg of the indicated Human whole cell or tissue extracts was loaded onto a 12% SDS-PAGE gel. 1 µg/mL of the antibody was used in this experiment.

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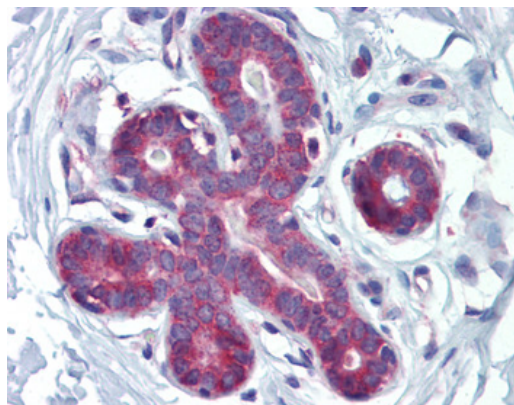
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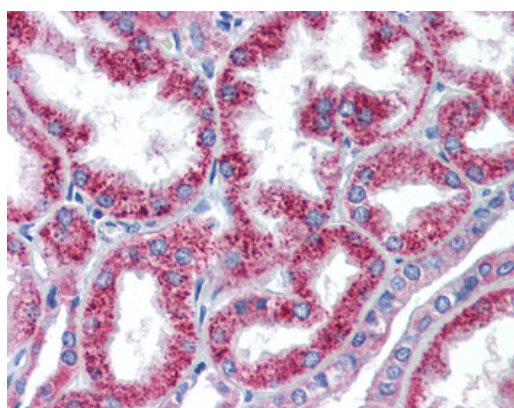
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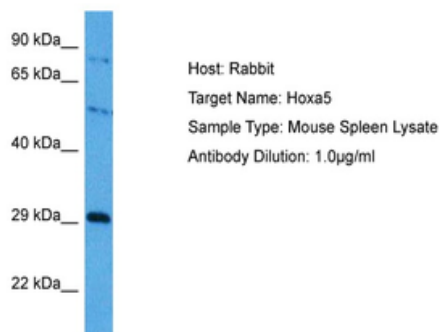
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Anti-HOXA5 antibody IHC staining of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/mL.



Anti-HOXA5 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/mL.



Sample Tissue: Mouse Spleen, Antibody Dilution: 1 ug/mL.

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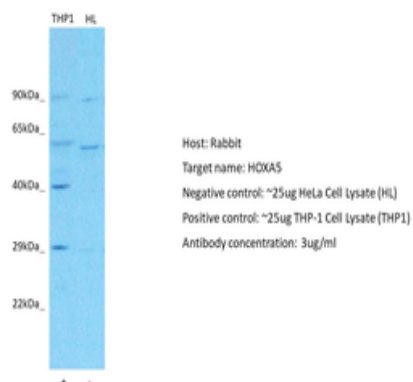
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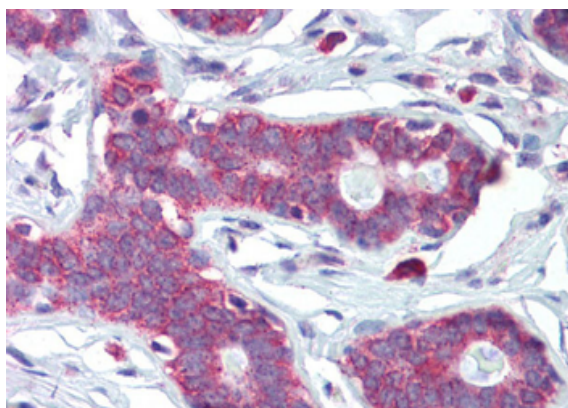
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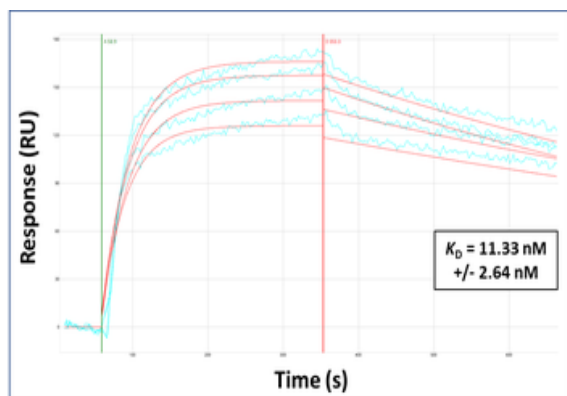
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Positive control (+): THP-1 (N30), Negative control (-): HeLa (HL), Antibody concentration: 1 ug/mL.



Rabbit Anti-HOXA5 Antibody, Paraffin Embedded Tissue: Human Breast, Antibody Concentration: 5 ug/mL.



Surface Plasmon Resonance Kinetic Characterization of Polyclonal Antibody Affinity. Purified polyclonal antibodies were immobilized on a Protein A/G coated Carterra LSA sensor chip (PAGH200M) at concentrations of 5, and 50 ug/mL in duplicate. Antibodies on the surface were exposed to interaction with peptides sequentially via microfluidic controlled flow at 333nM peptide concentration for kinetic characterization of the binders for affinity and specificity, followed by curve fitting using the Kinetics software. K_d determinations for both concentrations were averaged and results and standard deviation are shown.

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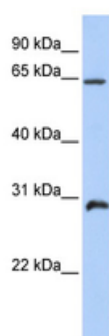
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WB Suggested Anti-HOXA5 Antibody Titration: 1 ug/mL, Positive Control: Placenta.

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