Product Datasheet

PAX8 Antibody (PAX8/1492)
NBP2-53371-100ug

Unit Size: 100 ug

Store at 4C.

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Publications: 1

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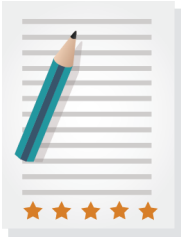
Updated 10/23/2024 v.20.1



NBP2-53371-100ug

PAX8 Antibody (PAX8/1492)

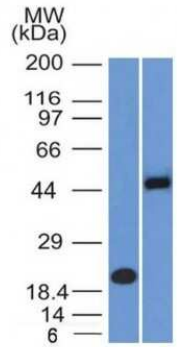
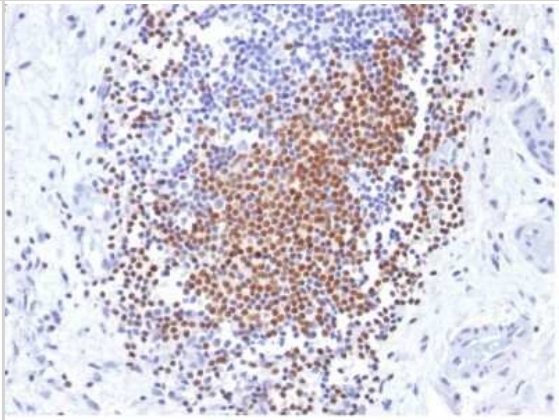
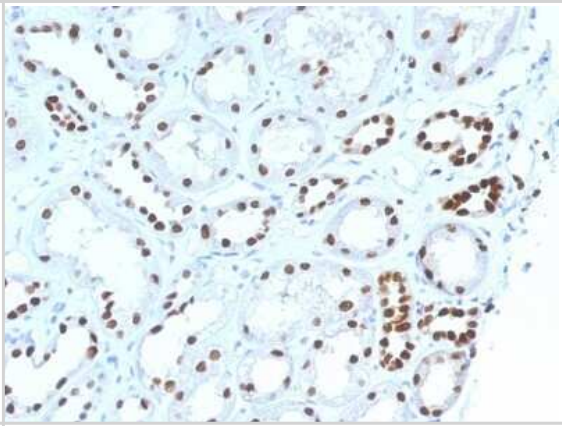
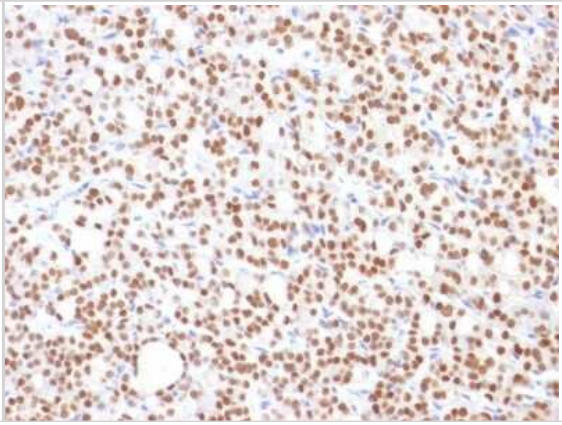
Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PAX8/1492
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	62 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54539) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	7849
Gene Symbol	PAX8
Species	Human, Canine
Marker	Renal Cell Marker
Specificity/Sensitivity	Recognizes a protein of 62kDa, identified as PAX8. It is a member of the paired box (PAX) family of transcription factors. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas, and atypical thyroid adenomas. PAX-8 is expressed in the thyroid (and associated carcinomas), non-ciliated mucosal cells of the fallopian tubes, and simple ovarian inclusion cysts, but not normal ovarian surface epithelial cells. PAX-8 is expressed in a high percentage of ovarian serous, endometrioid, and clear cell carcinomas, but only rarely in primary ovarian mucinous adenocarcinomas. PAX-8 expression is reported in renal tubules as well as renal cell carcinoma, nephroblastoma, and seminoma. PAX-8 antibody may be used as an additional immunohistochemical marker for renal epithelial tumors.
Immunogen	Recombinant fragment (around aa 60-261) of human PAX8 protein (exact sequence is proprietary) (Uniprot: Q06710)

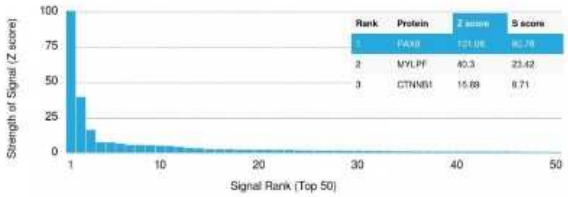
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array

Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Western Blot: PAX8 Antibody (PAX8/1492) [NBP2-53371] - Western Blot Analysis (A) Recombinant Protein (B) Raji Cell Lysate Using PAX8 Monoclonal Antibody (PAX8/1492).	
Immunohistochemistry-Paraffin: PAX8 Antibody (PAX8/1492) [NBP2-53371] - Formalin-fixed, paraffin-embedded human Urothelial Carcinoma stained with PAX8 Monoclonal Antibody (PAX8/1492).	
Immunohistochemistry-Paraffin: PAX8 Antibody (PAX8/1492) [NBP2-53371] - Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with PAX8 Monoclonal Antibody (PAX8/1492).	
Immunohistochemistry-Paraffin: PAX8 Antibody (PAX8/1492) [NBP2-53371] - Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with PAX8 Monoclonal Antibody (PAX8/1492).	

Protein Array: PAX8 Antibody (PAX8/1492) [NBP2-53371] - Analysis of Protein Array containing >19,000 full-length human proteins using PAX8 Antibody (PAX8/1492) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5.



Publications

Veschi V, Turdo A, Modica C et al. Recapitulating thyroid cancer histotypes through engineering embryonic stem cells Nature communications 2023-03-11 [PMID: 36906579] (FLOW, Human)

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Products Related to NBP2-53371-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-51907-0.05mg	Recombinant Human PAX8 His Protein

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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