

PAX-2 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50039

Clone# BP6044

Predicted Molecular Wt: 45kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q02962

Background:

PAX-2 is a member of the PAX family of transcription factors that, together with PAX-8, is involved in the regulation of the organogenesis of the kidney and the Müllerian system.

Among the non-neoplastic tissue, PAX-2 was expressed in glomerular parietal epithelial cells, renal collecting duct cells, atrophic renal tubular cells, epithelial cells of ovarian surface, fallopian tube, endocervix, endometrium. Among the primary neoplasms, PAX-2 was mainly noted in renal cell carcinoma, carcinomas of Müllerian origin, nephrogenic adenomas.

Recent investigations have indicated that PAX-2 could serve as a useful immunohistochemical marker that can assist in the diagnosis of epithelial tumors of the kidney, as well as some gynecologic (Müllerian) neoplasms.

Subcellular location:

Nucleus

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to PAX-2 residues within aa300-400 of PAX-2 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

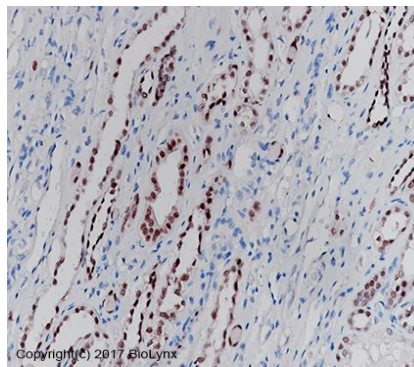
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:


IHC-P: 1:100-1:200

Background References:

- Zhai QJ, et.al, Appl Immunohistochem Mol Morphol. 2010 Jul;18(4):323-32.
- Ordóñez NG, et.al, Adv Anat Pathol. 2012 Nov;19(6):401-9.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of kidney tissue labelling PAX-2 with BP6044. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.