

PAX-2 (Clone EP235)

Rabbit Monoclonal Antibody

Specificity: Human. Others not known

Immunogen: A synthetic peptide corresponding to residues in human PAX2

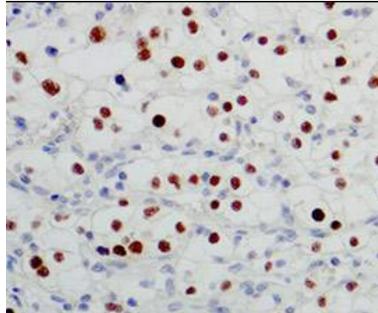
Ig Class: Rabbit IgG

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:20; *Positive Control:* Renal cell carcinoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

Description: PAX-2 is a homeogene strongly expressed during kidney development. PAX-2 gene is expressed in the metanephric mesenchyma after ureter bud induction and is a key factor for the mesenchyma-epithelium conversion. Animals transgenic for PAX-2 have severe renal abnormalities and cysts but no solid tumoral features. The oncogenic potential of the PAX gene family has been reported in vitro with transformation of cell cultures and in vivo with cell injections in nude mice. PAX-2 is expressed in renal carcinoma cell lines and underlined its potential role in cell proliferation in these lines. PAX-2 nuclear is expressed in 88% of clear cell renal cell carcinomas as well as 18% of papillary renal cell carcinoma, and 13% of chromophobe renal cell carcinomas. PAX-2 can also be used in distinguishing ovarian serous papillary carcinoma (PAX-2 positive) from primary breast carcinoma (PAX-2 negative). PAX-2 antibody has also been used to distinguish hepatocellular carcinoma (PAX-2 negative) from clear cell renal cell carcinoma.

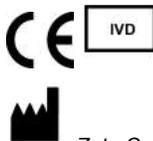
Supplied As: Culture supernatant in 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human renal cell carcinoma stained with anti-PAX-2 antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of tumor cells

Cat. #Z2292 (1.0 ml)

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