

Rabbit anti-PAX2, clone EP3251 (Monoclonal)

Clone no. EP3251

MONOSAN

Product name	Rabbit anti-PAX2, clone EP3251 (Monoclonal)
Host	Rabbit
Applications	IHC-P (1:10-1:50)
Species reactivity	Human, Mouse
Conjugate	-
Immunogen	A synthetic peptide corresponding to residues in human PAX2
Isotype	IgG
Clonality	Monoclonal
Clone number	EP3251
Size	1 ml
Concentration	n/a
Format	Concentrate
Storage buffer	Tissue culture supernatant in PBS, Sodium azide, Glycerol 5%, BSA
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

PAX2 is a transcription factor that plays a key role during renal development and angiogenesis and through the Act-survival pathway (1). PAX2 is also expressed in normal renal medulla where it is regulated by the normally high and variable NaCl concentration, and it protects renal medullary cells from high NaCl concentration-induced apoptosis (2). Recent reports show that PAX2 also plays a role in breast cancer by competing with the ER co-activator AIB-1/SRC-3 for the binding and regulation of ERBB2 transcription (3). PAX2 is expressed in primitive cells of the kidney, ureter, eye, ear and central nervous system (4).

Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections. Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-rabbit secondary antibody-based

detection is recommended. Control tissue Primitive cells of kidney, ureter, eye, ear and central nervous system. Staining nuclear

References

1. Valentina Fonsato, et al. American Journal of Pathology 168(2), 2006
2. Cai Q, et al. Proc Natl Acad Sci U S A. 102(2):503-8, 2005
3. Antoni Hurtado, et al. Nature 456, 663-666, 2008
4. Phaikasame Sanyanusin, et al. Nature Genetics 9,358-364, 1995
5. -

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