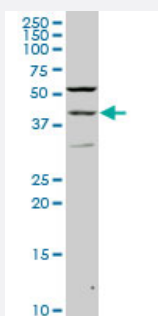


PAX2 monoclonal antibody (M02), clone 2E4

Catalog # H00005076-M02

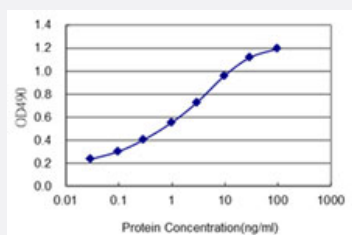
Size 100 ug

Applications



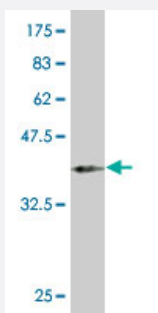
Western Blot (Cell lysate)

PAX2 monoclonal antibody (M02), clone 2E4 Western Blot analysis of PAX2 expression in PC-12 (Cat # L012V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PAX2 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PAX2.

Immunogen	PAX2 (NP_000269, 194 a.a. ~ 303 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PRSNGEKRKRDEDVSEGSVPNGDSQSGVDSL RKHLRADTFTQQQLEALDRVFERPSYPDVFQA SEHIKSEQGNEYSLPALTPGLDEVKSSLSASTNP ELG SNVSGTQTYP
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (98); Rat (82)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PAX2 monoclonal antibody (M02), clone 2E4 Western Blot analysis of PAX2 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PAX2 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PAX2

Entrez GeneID [5076](#)

GeneBank Accession#	NM_000278
Protein Accession#	NP_000269
Gene Name	PAX2
Gene Alias	-
Gene Description	paired box 2
Omim ID	120330 167409
Gene Ontology	Hyperlink
Gene Summary	PAX2 encodes paired box gene 2, one of many human homologues of the Drosophila melanogaster gene prd. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a target of transcriptional suppression by the tumor suppressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]
Other Designations	OTTHUMP00000020286 OTTHUMP00000020287 paired box gene 2 paired box homeotic gene 2 paired box protein 2

Publication Reference

- [PAX2 may induce ADAM10 expression in renal tubular epithelial cells and contribute to epithelial-to-mesenchymal transition.](#)

Hou L, Du Y, Zhao C, Wu Y.

International Urology and Nephrology 2018 Sep; 50(9):1729.

Application: ChIP, Rat, NRK52E cells

- [c-Jun is essential for the induction of Il-1 \$\beta\$ gene expression in in vitro activated Bergmann glial cells.](#)

Albanito L, Reddy CE, Musti AM.

Glia 2011 Dec; 59(12):1879.

Application: IHC-Fr, Mouse, Mouse cerebellum

- [The transcription factor PAX2 regulates ADAM10 expression in renal cell carcinoma.](#)

Doberstein K, Pfeilschifter J, Gutwein P.

Carcinogenesis 2011 Nov; 32(11):1713.

Application: ChIP, Human, A498 cells

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Nephritis](#)
- [Purpura](#)
- [Vesico-Ureteral Reflux](#)