

PAX2 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant PAX2.****Catalog # AT3189a****Specification**

PAX2 Antibody (monoclonal) (M02) - Product Information

Application	WB
Primary Accession	Q02962
Other Accession	NM_000278
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	44706

PAX2 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 5076**Other Names**

Paired box protein Pax-2, PAX2

Target/Specificity

PAX2 (NP_000269, 194 a.a. ~ 303 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

PAX2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

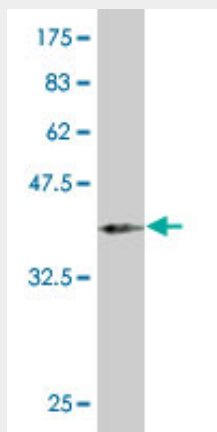
PAX2 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

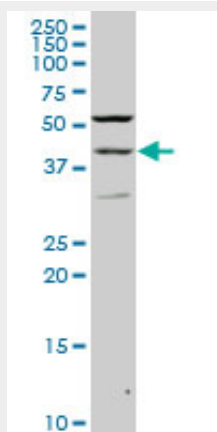
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PAX2 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 kDa) .



PAX2 monoclonal antibody (M02), clone 2E4 Western Blot analysis of PAX2 expression in PC-12 (Cat # AT3189a)

PAX2 Antibody (monoclonal) (M02) - Background

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.

PAX2 Antibody (monoclonal) (M02) - References

1. c-Jun is essential for the induction of *Il-1 β* gene expression in in vitro activated Bergmann glial cells. Albanito L, Reddy CE, Musti AM. *Glia*. 2011 Sep 21. doi: 10.1002/glia.21244.
2. The transcription factor PAX2 regulates ADAM10 expression in renal cell carcinoma. Doberstein K, Pfeilschifter J, Gutwein P. *Carcinogenesis*. 2011 Sep 16.