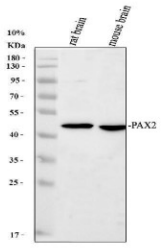
PAX2 Antibody (R32185)

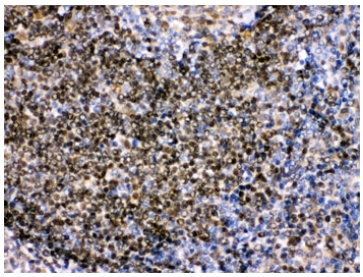
Catalog No.	Formulation	Size
R32185	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

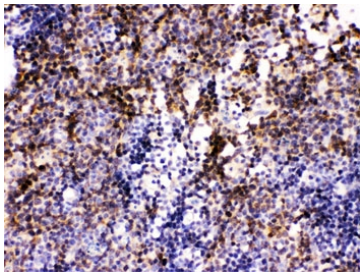
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q02962
Localization	Nuclear, nuclear membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry(FFPE) : 1-2ug/ml
Limitations	This PAX2 antibody is available for research use only.



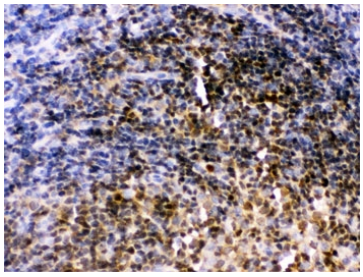
PAX2 Antibody Brain WB. Western blot testing of 1) rat brain and 2) mouse brain lysate with PAX2 antibody. Expected/observed molecular weight ~45 kDa.



PAX2 Antibody Tonsil IHC. Immunohistochemistry testing of FFPE human tonsil with PAX2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



PAX2 Antibody Mouse Lymph Node IHC. Immunohistochemistry testing of FFPE mouse lymph node with PAX2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



PAX2 Antibody Rat Lymph Node IHC. Immunohistochemistry testing of FFPE rat lymph node with PAX2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

The PAX2 gene 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 supression 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.

For additional information on PAX2 biology and available antibodies, see our PAX2 Antibody / Paired Box 2 Antibody page.

Application Notes

Optimal dilution of the PAX2 antibody should be determined by the researcher.

Immunogen

Amino acids RKHLRADTFTQQQLEALDRVFERPSYPDVFQASEH of human PAX2 were used as the immunogen for the PAX2 antibody.

Storage

After reconstitution, the PAX2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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