

## PAX8 Antibody Cocktail [clone PAX8/1491 + PAX8/1492] (V3414)

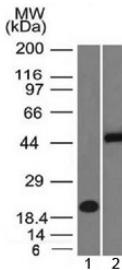
Catalog No.	Formulation	Size
V3414-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3414-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3414SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b + Mouse IgG2a
<b>Clone Name</b>	PAX8/1491 + PAX8/1492
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q06710
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This PAX8 antibody cocktail is available for research use only.



IHC testing of FFPE human renal cell carcinoma with PAX8 antibody cocktail (clone PAX8-1491 + PAX8/1492). Required HIER: boil tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 minutes.



Western blot testing of 1) human partial recombinant protein and 2) human Raji cell lysate with PAX8 antibody cocktail (clone PAX8/1491 + PAX8/1492). Predicted molecular weight of isoforms 1-5: 31, 35, 42, 43 and 48 kDa, respectively. PAX8 can also be observed at ~62 kDa.

## Description

PAX8 is a member of the paired box (PAX) family of transcription factors. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas, and atypical thyroid adenomas. PAX8 is expressed in the thyroid (and associated carcinomas), non-ciliated mucosal cells of the fallopian tubes, and simple ovarian inclusion cysts, but not normal ovarian surface epithelial cells. PAX8 is expressed in a high percentage of ovarian serous, endometrioid, and clear cell carcinomas, but only rarely in primary ovarian mucinous adenocarcinomas. PAX-8 expression is reported in renal tubules as well as renal cell carcinoma, nephroblastoma, and seminoma. PAX8 antibody may be used as an additional immunohistochemical marker for renal epithelial tumors.

## Application Notes

Optimal dilution of the PAX-8 antibody cocktail should be determined by the researcher.

## Immunogen

A human recombinant fragment (aa 60-261) was used as the immunogen for the PAX8 antibody cocktail.

## Storage

Store the PAX8 antibody cocktail at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).