

# Product Datasheet

## **PAX8 Antibody (PAX8/1491) [Alexa Fluor® 488] NBP2-54486AF488**

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-54486AF488**

PAX8 Antibody (PAX8/1491) [Alexa Fluor® 488]

| Product Information     |  |
|-------------------------|--|
| Unit Size               | 100 ul   |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                 | Store at 4C in the dark.   |
| Clonality               | Monoclonal   |
| Clone                   | PAX8/1491  |
| Preservative            | 0.05% Sodium Azide   |
| Isotype                 | IgG2b Kappa  |
| Conjugate               | Alexa Fluor 488  |
| Purity                  | Protein A or G purified  |
| Buffer                  | 50mM Sodium Borate   |
| Product Description     |  |
| Host                    | Mouse  |
| Gene ID                 | 7849   |
| Gene Symbol             | PAX8   |
| Species                 | Human  |
| Marker                  | Renal Cell Marker  |
| Specificity/Sensitivity | Recognizes a protein of 62kDa, identified as PAX8. It 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. PAX-8 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. PAX-8 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. PAX-8 antibody may be used as an additional immunohistochemical marker for renal epithelial tumors. |
| Immunogen               | Recombinant fragment (around aa 60-261) of human PAX8 protein (exact sequence is proprietary) (Uniprot: Q06710)  |



|              |  |
|--------------|--|
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|--------------|--|

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Protein Array             |
| <b>Recommended Dilutions</b>       | Western Blot, Immunohistochemistry-Paraffin, Protein Array             |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **Products Related to NBP2-54486AF488**

|                   |   |
|-------------------|---|
| NBP1-43317AF488   | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Alexa Fluor® 488] |
| NBP2-51907-0.05mg | Recombinant Human PAX8 His Protein                                      |
| 288-TPN-025/CF    | Thrombopoietin/THPO [Unconjugated]                                      |
| NBL1-14132        | PAX8 Overexpression Lysate  |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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