

# Product Datasheet

## Pax5/BSAP Antibody (PAX5/3735) [Alexa Fluor® 700] NBP3-08418AF700

Unit Size: 100 ul

Store at 4C in the dark.

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Updated 10/26/2023 v.20.1

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**NBP3-08418AF700**

Pax5/BSAP Antibody (PAX5/3735) [Alexa Fluor® 700]

| <b>Product Information</b>     |   |
|--------------------------------|---|
| <b>Unit Size</b>               | 100 ul  |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                 | Store at 4C in the dark.  |
| <b>Clonality</b>               | Monoclonal  |
| <b>Clone</b>                   | PAX5/3735   |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG1 Lambda   |
| <b>Conjugate</b>               | Alexa Fluor 700   |
| <b>Purity</b>                  | Protein A or G purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate  |
| <b>Product Description</b>     |   |
| <b>Host</b>                    | Mouse   |
| <b>Gene ID</b>                 | 5079  |
| <b>Gene Symbol</b>             | PAX5  |
| <b>Species</b>                 | Human, Canine, Equine, Feline   |
| <b>Reactivity Notes</b>        | Feline and Equine reactivity reported from a verified customer review.  |
| <b>Marker</b>                  | Early B-Cell Marker   |
| <b>Specificity/Sensitivity</b> | The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 21,000, full-length human proteins. The PAX5 gene is a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding domain, known as the paired box. The PAX proteins are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. The PAX5 gene encodes the B-cell lineage specific activator protein (BSAP) that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis; therefore, PAX5 gene product may not only play an important role in B-cell differentiation, but also in neural development and spermatogenesis. |
| <b>Immunogen</b>               | A recombinant fragment (around aa 235-382) of human PAX5 protein (exact sequence is proprietary) (Uniprot: Q02548)  |

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| <b>Notes</b> | <p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a>. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.</p> |
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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. |



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### **Products Related to NBP3-08418AF700**

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|                    |  |
|--------------------|--|
| H00005079-P01-2ug  | Recombinant Human Pax5/BSAP GST (N-Term) Protein |
| 207-IL-005         | IL-7 [Unconjugated]                              |
| H00005079-Q01-10ug | Recombinant Human Pax5/BSAP GST (N-Term) Protein |
| NB600-235          | BLIMP1/PRDM1 Antibody (3H2-E8) - BSA Free        |

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### **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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