

## Mouse PAX-7 Monoclonal Antibody | anti-PAX-7 antibody

PAX-7 (BSB-145)

|                              |                      |                                        |
|------------------------------|----------------------|----------------------------------------|
| CATALOG #<br><b>AAA59386</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> |
|------------------------------|----------------------|----------------------------------------|

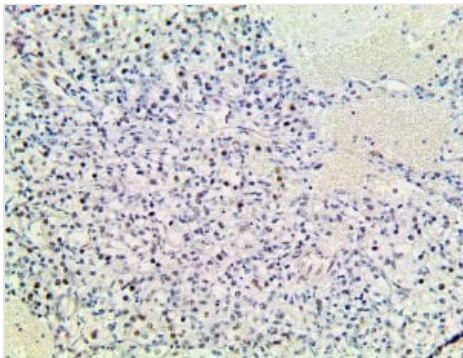
### PRODUCT SYNONYMS

PAX-7; Monoclonal Antibody; PAX-7 (BSB-145); pax-7; pax7; pax 7; anti-pax-7; anti-pax7; anti-pax 7; paired box gene 7; anti-PAX-7 antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                            |
| Reactivity              | Human, Mouse, Rat                                                                                                                                                                                                                |
| Clonality               | Monoclonal                                                                                                                                                                                                                       |
| Isotype                 | IgG2a                                                                                                                                                                                                                            |
| Clone Number            | BSB-145                                                                                                                                                                                                                          |
| Form/Format             | Paraffin, Frozen<br>PAX-7 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative. |
| Immunogen               | Recombinant PAX-7 of human origin.                                                                                                                                                                                               |
| Control                 | Breast, Lung, SKIN, Testis, Cervix, Papillary Thyroid Carcinoma, Ewing Sarcoma                                                                                                                                                   |
| Localization            | Nuclear, Cytoplasmic                                                                                                                                                                                                             |
| Preparation and Storage | Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)                                                                                                                                                                  |

### IMAGES



IHC (Immunohistochemistry)

PAX-7 Antibody Immunohistochemistry on an FFPE Renal Cell Carcinoma Tissue

| Antibody Type  | Dilution     | Volume/QTY |
|----------------|--------------|------------|
| Prediluted     | Ready-To-Use | 3.0 ml     |
| Prediluted     | Ready-To-Use | 7.0 ml     |
| Prediluted     | Ready-To-Use | 15.0 ml    |
| Concentrated   | 1:25-1:100   | 0.1 ml     |
| Concentrated   | 1:25-1:100   | 0.5 ml     |
| Concentrated   | 1:25-1:100   | 1.0 ml     |
| Control Slides |              | 5          |

Dilution Info

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Related Product Information for anti-PAX-7 antibody | <p>PAX-7 or Paired Box Gene 7 is a transcription factor coded by a gene on locus 1p36, which can fuse with Forkhead Domain Region (FKHR). PAX-7 protein is involved in developmental pathways in neural tube and mesencephalon formation, muscle cell development, and oxidative stress sensitivity. PAX-7 regulates neural cell adhesion molecules and is expressed in proliferating myoblasts, but it is down-regulated after playing its role in cell differentiation toward muscle-derived specification.</p> <p>PAX-7 is restricted to muscle satellite and myogenic precursor cells in adults, although it is upregulated in embryonal (ERMS) and alveolar rhabdomyosarcoma (ARMS) and could suggest a de-differentiated cell type when overexpressed in these tumors. Recent studies suggested that PAX-7 antibody is a novel marker, because it was expressed consistently in Ewing sarcoma, in addition to rhabdomyosarcoma and synovial sarcoma. PAX-7 antibody was found expressed in 90% of Ewing sarcomas (90%), mainly in a diffuse and strong manner. Although NKX2-2 showed similar sensitivity, PAX-7 showed more extensive and strong reactivity. ARMS differs from ERMS by virtue of its occurrence in older patients, distinctive pseudoalveolar pattern, usual absence of strap cells, and strong myogenin rather than MyoD1 expression. Identification of a PAX3 or PAX-7/FKHR fusion gene may be necessary for the confident distinction of ARMS from the most primitive forms of ERMS.</p> |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/pax-7-antibody-clone-bsb-145-elisa/59386>