

**PAX3 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3705a

**Specification**

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**PAX3 Antibody (internal region) - Product Information**

|                   |  |
|-------------------|--|
| Application       | <b>WB, IHC</b>   |
| Primary Accession | <a href="#">P23760</a>   |
| Other Accession   | <a href="#">NP_852122.1</a> , <a href="#">NP_000429.2</a> , <a href="#">NP_039230.1</a> ,<br><a href="#">NP_852123.1</a> , <a href="#">NP_852124.1</a> , <a href="#">NP_852126.1</a> ,<br><a href="#">NP_852125.1</a> , <a href="#">NP_001120838.1</a> , <a href="#">5077</a> , <a href="#">18505</a><br>(mouse), <a href="#">114502</a> (rat) |
| Reactivity        | <b>Human</b>   |
| Predicted         | <b>Mouse, Rat</b>  |
| Host              | <b>Goat</b>  |
| Clonality         | <b>Polyclonal</b>  |
| Concentration     | <b>0.5 mg/ml</b>   |
| Isotype           | <b>IgG</b>   |
| Calculated MW     | <b>52968</b>   |

**PAX3 Antibody (internal region) - Additional Information**

**Gene ID** 5077

**Other Names**

Paired box protein Pax-3, HuP2, PAX3, HUP2

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PAX3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**PAX3 Antibody (internal region) - Protein Information**

**Name** PAX3

**Synonyms** HUP2

**Function**

Transcription factor that may regulate cell proliferation, migration and apoptosis. Involved in neural development and myogenesis. Transcriptional activator of MITF, acting synergistically with

SOX10 (PubMed:<a href="http://www.uniprot.org/citations/21965087" target="\_blank">21965087</a>).

#### Cellular Location

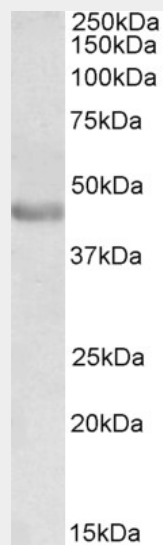
Nucleus.

#### PAX3 Antibody (internal region) - Protocols

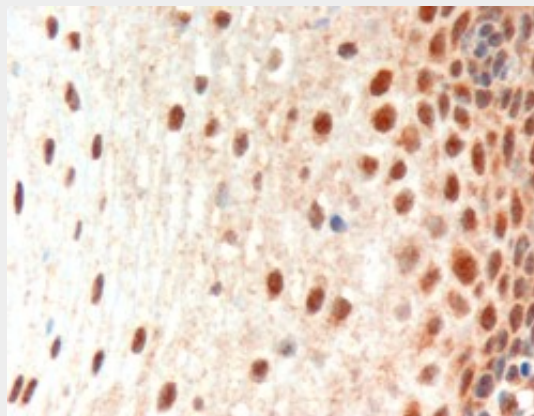
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### PAX3 Antibody (internal region) - Images



AF1791a (0.3 µg/ml) staining of Human Duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1791a (3 µg/ml) staining of paraffin embedded Human Oesophagus. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining. Data obtained using previous batch.

#### **PAX3 Antibody (internal region) - Background**

This antibody is expected to recognize isoforms PAX3 (NP\_852122.1), PAX3d (NP\_852123.1), PAX3e (NP\_852124.1), PAX3g (NP\_852126.1), PAX3h (NP\_852125.1), and PAX3i (NP\_001120838.1).

#### **PAX3 Antibody (internal region) - References**

High expression of the PAX3-FKHR oncoprotein is required to promote tumorigenesis of human myoblasts. Xia SJ, Holder DD, Pawel BR, Zhang C, Barr FG, The American journal of pathology 2009 Dec 175 (6): 2600-8. PMID: 19893043