

**PAX3 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2313a**

**Specification**

**PAX3 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	<a href="#">P23760</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	56.8kDa KDa

**Description**

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase gene encodes a digestive brush-border enzyme. This enzyme is upregulated during small intestinal epithelial cell differentiation.

**Immunogen**

Purified recombinant fragment of human ALPI (AA: 397-458) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**PAX3 Antibody - Additional Information**

**Gene ID** 5077

**Other Names**

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

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
FC~~1/200 - 1/400

**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 is for research use only and not for use in diagnostic or therapeutic procedures.

**PAX3 Antibody - 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>).

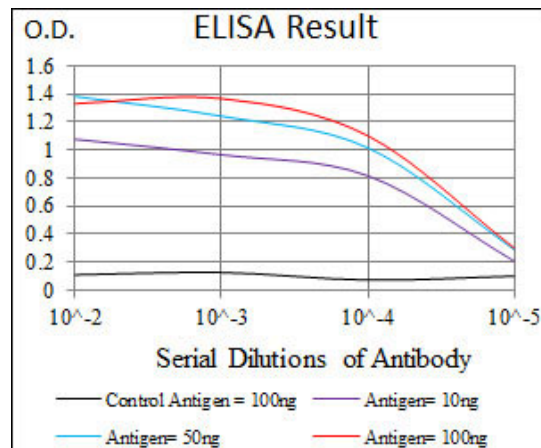
### Cellular Location

Nucleus.

## PAX3 Antibody - 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](#)



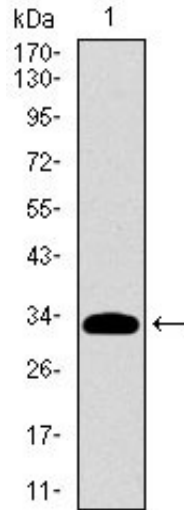


Figure 1: Western blot analysis using ALPI mAb against human ALPI recombinant protein. (Expected MW is 31.9 kDa)

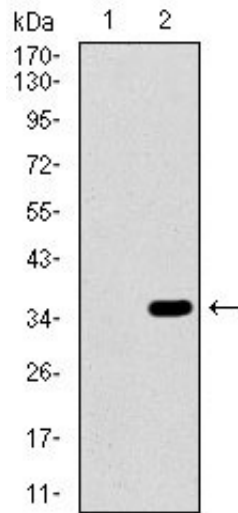


Figure 2: Western blot analysis using ALPI mAb against HEK293 (1) and ALPI (AA: 397-458)-hIgGfC transfected HEK293 (2) cell lysate.

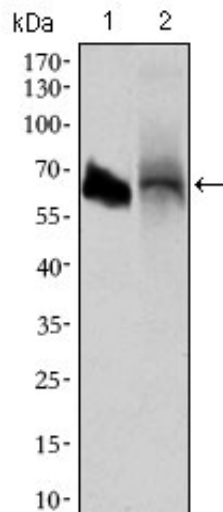


Figure 3: Western blot analysis using ALPI mouse mAb against HL60 (1) and HepG2 (2) cell lysate.

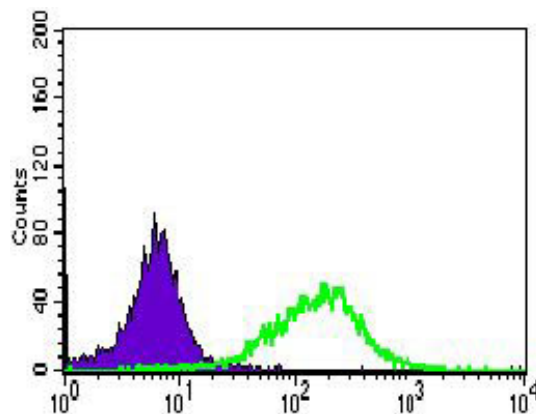


Figure 5: Flow cytometric analysis of HepG2 cells using ALPI mouse mAb (green) and negative control (purple).

### PAX3 Antibody - References

1. Virchows Arch. 2012 Feb;460(2):157-61.
2. World J Gastroenterol. 2012 Jul 7;18(25):3254-9.