

# PAX3 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO2313a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P23760</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	7D8G7
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	52968
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of human ALPI (AA: 397-458) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide

## Additional Information

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<b>Gene ID</b>	5077
<b>Other Names</b>	Paired box protein Pax-3, HuP2, PAX3, HUP2
<b>Dilution</b>	WB~~1/500 - 1/2000 E~~1/10000
<b>Storage</b>	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.
<b>Precautions</b>	PAX3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PAX3
<b>Synonyms</b>	HUP2
<b>Function</b>	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:[21965087](#)).

## Cellular Location

Nucleus.

## References

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

## Images

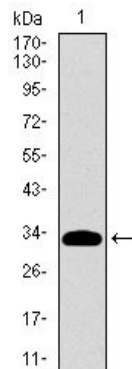


Figure 1: Western blot analysis using ALPI mAb against human ALPI recombinant protein. (Expected MW is 31.9 kDa)

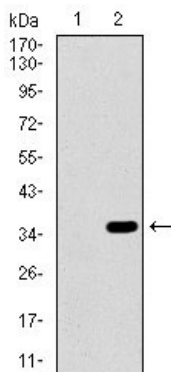


Figure 2: Western blot analysis using ALPI mAb against HEK293 (1) and ALPI (AA: 397-458)-hIgGfc transfected HEK293 (2) cell lysate.

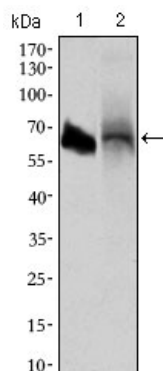


Figure 3: Western blot analysis using ALPI mouse mAb against HL60 (1) and HepG2 (2) cell lysate.

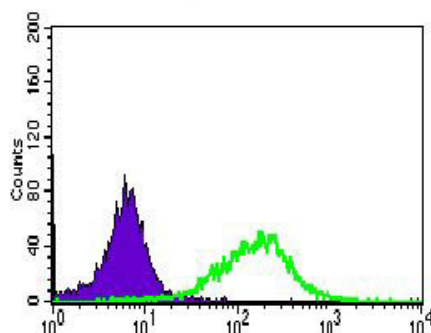


Figure 5: Flow cytometric analysis of HepG2 cells using ALPI mouse mAb (green) and negative control (purple).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.