

PAX3 Antibody

Purified Mouse Monoclonal Antibody Catalog # A02313a

Specification

PAX3 Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Isotype Calculated MW **Description** WB, E <u>P23760</u> Human, Mouse Mouse Monoclonal IgG1 56.8kDa KDa

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 WB~~1/500 - 1/2000 E~~1/10000

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

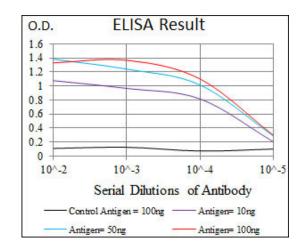
Transcription factor that may regulate cell proliferation, migration and apoptosis. Involved in neural development and myogenesis. Transcriptional activator of MITF, acting synergistically with SOX10 (PubMed:>21965087).

Cellular Location Nucleus.

PAX3 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>



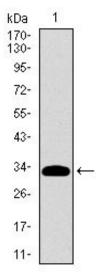


Figure 1: Western blot analysis using ALPI mAb against human ALPI recombinant protein. (Expected MW is 31.9 kDa)

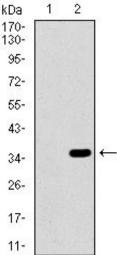


Figure 2: Western blot analysis using ALPI mAb against HEK293 (1) and ALPI (AA: 397-458)-hIgGFc transfected HEK293 (2) cell lysate.

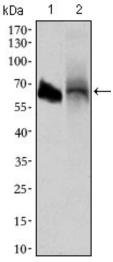


Figure 3: Western blot analysis using ALPI mouse mAb against HL60 (1) and HepG2 (2) cell lysate.



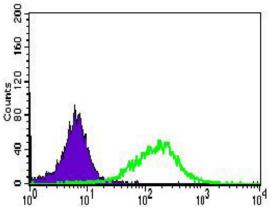


Figure 5: Flow cytometric analysis of HepG2 cells using ALPI mouse mAb (green) and negative control (purple).

PAX3 Antibody - References

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