

PAX3 Antibody

Purified Mouse Monoclonal Antibody

Catalog # A02314a

Product Information

Application	WB, E
Primary Accession	P23760
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Clone Names	7D8G7
Isotype	IgG1
Calculated MW	52968
Description	This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini.
Immunogen	Purified recombinant fragment of human PAX3 (AA: 142-203) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

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.

Protein Information

Name	PAX3
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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.

References

1. Cell Death Differ. 2012 Apr;19(4):616-22. 2. Biochem Biophys Res Commun. 2011 Aug 12;411(4):832-7.

Images

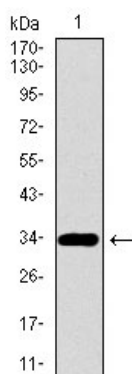


Figure 1: Western blot analysis using PAX3 mAb against human PAX3 recombinant protein. (Expected MW is 32.6 kDa)

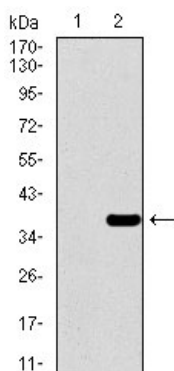


Figure 2: Western blot analysis using PAX3 mAb against HEK293 (1) and PAX3 (AA: 142-203)-hIgGFc transfected HEK293 (2) cell lysate.

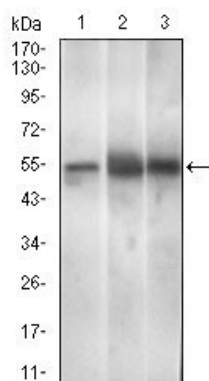


Figure 3: Western blot analysis using PAX3 mouse mAb against Mouse brain (1), Rat spleen (2), Mouse liver (3) cell lysate.

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