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FOXD3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50841

Product Information

Application	WB, IHC
Primary Accession	Q9UJU5
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	47630

Additional Information

Gene ID	27022
Other Names	Forkhead box protein D3, HNF3/FH transcription factor genesis, FOXD3, HFH2
Dilution	WB~~ 1:1000 IHC~~1:50~100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	FOXD3
Synonyms	HFH2
Function	Binds to the consensus sequence 5'-A[AT]T[AG]TTTGTTT-3' and acts as a transcriptional repressor (PubMed:11891324). Also acts as a transcriptional activator (PubMed:11891324). Negatively regulates transcription of transcriptional repressor RHIT/ZNF205 (PubMed:22306510). Promotes development of neural crest cells from neural tube progenitors (PubMed:11891324). Restricts neural progenitor cells to the neural crest lineage while suppressing interneuron differentiation (PubMed:11891324). Required for maintenance of pluripotent cells in the pre-implantation and peri-implantation stages of embryogenesis (PubMed:11891324).
Cellular Location	Nucleus.
Tissue Location	Expressed in chronic myeloid leukemia, Jurkat T- cell leukemia and teratocarcinoma cell lines, but not in any other cell lines or normal tissues examined.

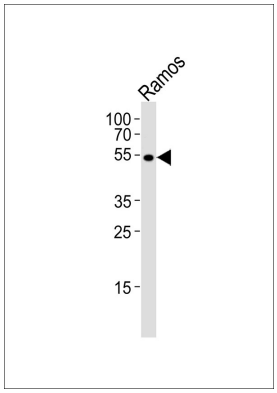
Background

Binds to the consensus sequence 5'-A[AT]T[AG]TTTGTTT-3' and acts as a transcriptional repressor. Also acts as a transcriptional activator. Promotes development of neural crest cells from neural tube progenitors. Restricts neural progenitor cells to the neural crest lineage while suppressing interneuron differentiation. Required for maintenance of pluripotent cells in the pre-implantation and peri-implantation stages of embryogenesis.

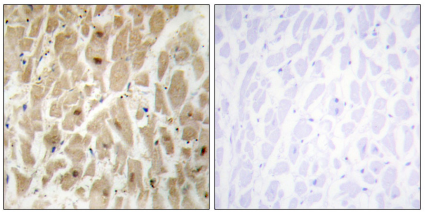
References

Ramsey H.C.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Hromas R.,et al.Blood 81:2854-2859(1993).
Guo Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 99:3663-3667(2002).
Alkhateeb A.,et al.J. Invest. Dermatol. 125:388-391(2005).

Images



Western blot analysis of lysate from Ramos cell line,using FOXD3 Antibody, was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.



Immunohistochemistry analysis of paraffin-embedded human heart tissue using FOXD3 antibody.

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