

# FoxD3 Polyclonal Antibody

Catalog # AP69926

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q9UJU5</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	47630

## Additional Information

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<b>Gene ID</b>	27022
<b>Other Names</b>	FOXD3; HFH2; Forkhead box protein D3; HNF3/FH transcription factor genesis
<b>Dilution</b>	WB--Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. IHC-P--N/A IF--1:50~200 ICC--N/A E--N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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

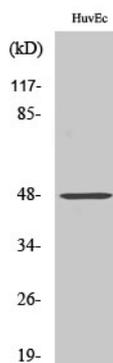
## Background

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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.

## Images

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Western Blot analysis of various cells using FoxD3 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

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