

FOXD3 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50841**Specification**

FOXD3 Antibody - Product Information

Application	WB, IHC
Primary Accession	O9UJU5
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48 KDa
Antigen Region	230-258

FOXD3 Antibody - 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

FormatRabbit 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°C

FOXD3 Antibody - Protein Information**Name** FOXD3**Synonyms** HFH2**Function**

Binds to the consensus sequence 5'-A[AT]T[AG]TTTGT-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

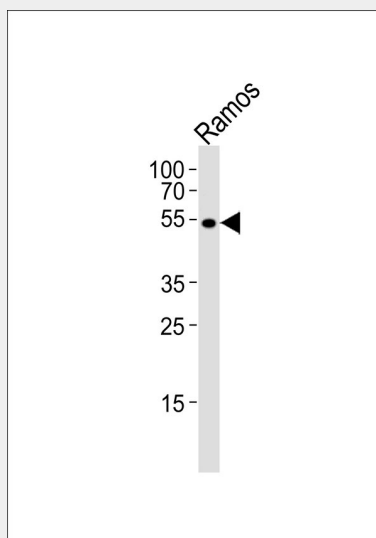
Expressed in chronic myeloid leukemia, Jurkat T- cell leukemia and teratocarcinoma cell lines, but not in any other cell lines or normal tissues examined.

FOXD3 Antibody - Protocols

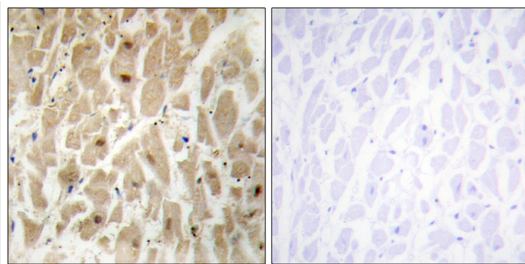
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FOXD3 Antibody - 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.

FOXD3 Antibody - 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.

FOXD3 Antibody - 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).