

Anti-FOXD3 Antibody

Catalog # AP60286

Product Information

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

Additional Information

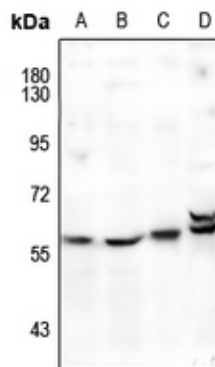
Gene ID	27022
Other Names	HFH2; Forkhead box protein D3; HNF3/FH transcription factor genesis
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXD3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

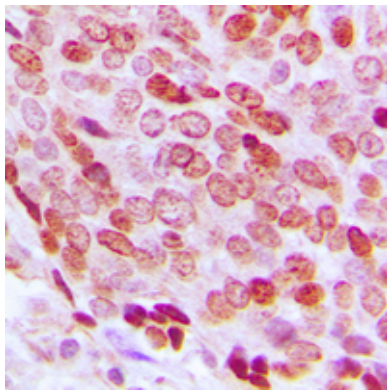
Name	FOXD3
Synonyms	HFH2
Function	Binds to the consensus sequence 5'-A[AT]T[AG]TTTGTTT-3' and acts as a transcriptional repressor (PubMed: 11891324). Also acts as a transcriptional activator (PubMed: 11891324). Negatively regulates transcription of transcriptional repressor RHIT/ZNF205 (PubMed: 22306510). 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.

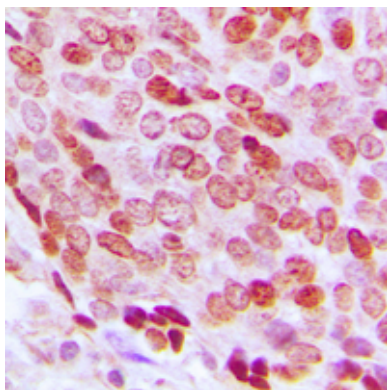
Images



Western blot analysis of FOXD3 expression in K562 (A), Jurkat (B), C6 (C), Raw264.7 (D) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 60 kD)



Immunohistochemical analysis of FOXD3 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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