

**Anti-FOXD3 Antibody**  
**Rabbit polyclonal antibody to FOXD3**  
**Catalog # AP60286****Specification**

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**Anti-FOXD3 Antibody - Product Information**

Application	WB, IH
Primary Accession	<a href="#">O9UJU5</a>
Other Accession	<a href="#">O61060</a>
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47630

**Anti-FOXD3 Antibody - Additional Information****Gene ID** 27022**Other Names**

HFH2; Forkhead box protein D3; HNF3/FH transcription factor genesis

**Target/Specificity**

Recognizes endogenous levels of FOXD3 protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-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](http://www.uniprot.org/citations/11891324)). Also acts as a transcriptional activator (PubMed: [11891324](http://www.uniprot.org/citations/11891324)). Negatively regulates transcription of transcriptional repressor RHIT/ZNF205 (PubMed: [22306510](http://www.uniprot.org/citations/22306510)). Promotes

development of neural crest cells from neural tube progenitors (PubMed:<a href="http://www.uniprot.org/citations/11891324" target="\_blank">11891324</a>). Restricts neural progenitor cells to the neural crest lineage while suppressing interneuron differentiation (PubMed:<a href="http://www.uniprot.org/citations/11891324" target="\_blank">11891324</a>). Required for maintenance of pluripotent cells in the pre-implantation and peri-implantation stages of embryogenesis (PubMed:<a href="http://www.uniprot.org/citations/11891324" target="\_blank">11891324</a>).

#### **Cellular Location**

Nucleus.

#### **Tissue Location**

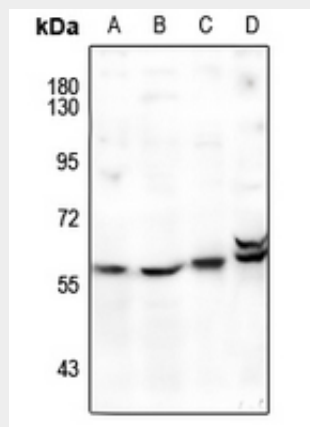
Expressed in chronic myeloid leukemia, Jurkat T- cell leukemia and teratocarcinoma cell lines, but not in any other cell lines or normal tissues examined.

### **Anti-FOXD3 Antibody - Protocols**

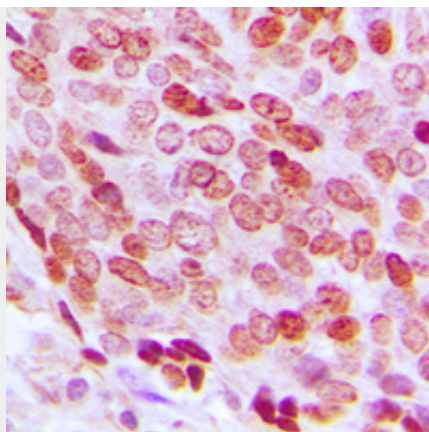
Provided below are standard protocols that you may find useful for product applications.

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

### **Anti-FOXD3 Antibody - Images**



Western blot analysis of FOXD3 expression in K562 (A), Jurkat (B), C6 (C), Raw264.7 (D) whole cell lysates.



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.

#### **Anti-FOXD3 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXD3. The exact sequence is proprietary.