

Product datasheet for **AP06761PU-N**

FOX D3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 202-251 of Human FoxD3.
Specificity:	This antibody detects endogenous levels of FoxD3 protein. (region surrounding Arg233)
Formulation:	Phosphate buffered saline (PBS), pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 48.0 kDa
Gene Name:	forkhead box D3
Database Link:	Entrez Gene 27022 Human Q9UJU5



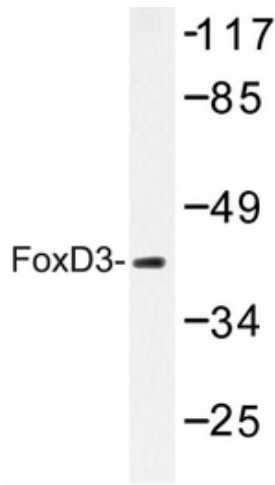
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Background:

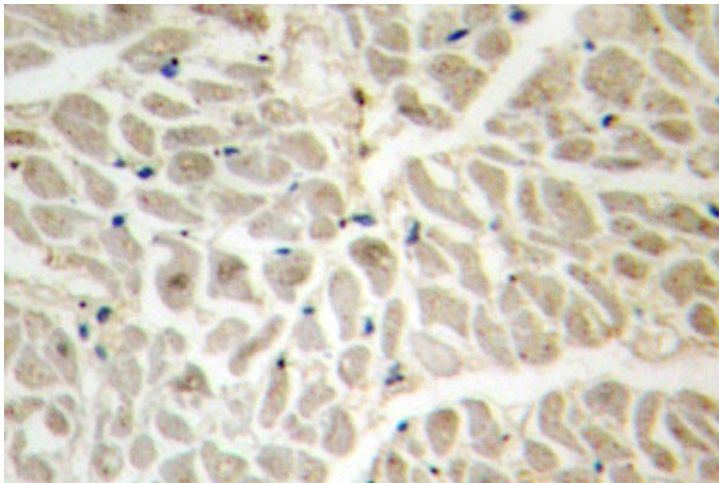
Embryonic stem cells require the forkhead transcriptional regulator FoxD3 for survival. Following gastrulation, FoxD3 generally gets downregulated, except in the neural crest. A variety of growth factors induce FoxD3 expression, including FGF8 and SNAIL, maintaining the effected cells in an undifferentiated state. Thus defects in FoxD3 induction may cause premature differentiation and/or migration-associated birth defects.

Synonyms:

Forkhead box protein D3

Product images:

Western blot (WB) analysis of FoxD3 antibody in extracts from HUVEC cells.



Immunohistochemistry (IHC) analyzes of FoxD3 antibody in paraffin-embedded human heart tissue.