

Product Data Sheet

Purified anti-FOXD3

Catalog # / Size: 631701 / 50 µl (5 Western blots)
 631702 / 200 µl (20 Western blots)

Clone: Poly6317

Isotype: Rabbit IgG

Immunogen: Peptide-KLH

Reactivity: Human

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20°C.

Applications:

Applications: WB, IF

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. For immunofluorescence microscopy: Use a starting dilution of 1:100. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Abel EV, *et al.* 2010. *Cancer Res.* 70:2891. PubMed
 2. Katiyar P, *et al.* 2011. *Mol Cancer Res.* 9:545. PubMed

Description: The FOXD3 polyclonal antibody recognizes human FOXD3 also known as Forkhead box protein D3 and HNF3/FH transcription factor genesis. FOXD3 belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain, predicted molecular weight 48 kD. FOXD3 binds to the consensus sequence 5'-A[AT]T[AG]TTTGT-3' and acts as a transcriptional repressor. Also acts as a transcriptional activator. FOXD3 is essential for multiple developmental processes in the vertebrate embryo, including neural crest development and maintenance of mammalian stem cell lineages. The poly6317 antibody has been shown to be useful for Western blotting.

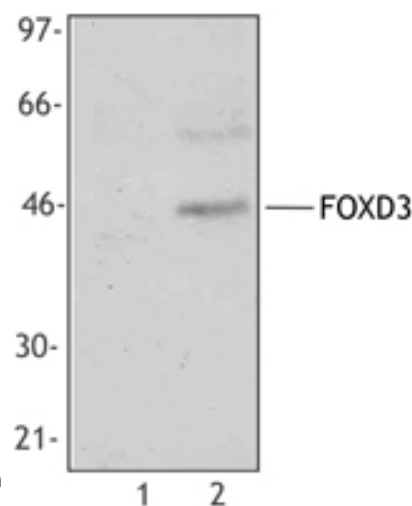
Antigen References: 1. Sutton J, *et al.* 1996. *J. Biol. Chem.* 271:23126.
 2. Hanna LA, *et al.* 2002. *Genes Dev.* 16:2650.
 3. Guo Y, *et al.* 2002. *Proc. Natl. Acad. Sci. U.S.A.* 99:3663.

Related Products:

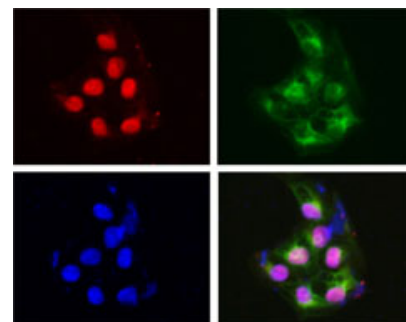
Product
 HRP Donkey anti-rabbit IgG (minimal
 x-reactivity)

Clone
 Poly4064

Application
 ELISA, IHC,
 WB



Whole cell extract from Hela cells (lane 1) and NTERA-2 cells (lane 2) were resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-FOXD3 antibody. Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.



Immunofluorescent microscope analysis of NTERA-2 cells using anti-FOXD3 polyclonal antibody (poly6317) (red). α -tubulin (clone 10D8) has been labeled with green and nuclei were stained with DAPI (blue).



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