

## Mouse FOXD3 Antibody | anti-FOXD3 antibody

FOXD3 Antibody

| CATALOG # | HOST  | REACTIVITY           | APPLICATIONS                              |
|-----------|-------|----------------------|-------------------------------------------|
| AAA108784 | Mouse | Human, Mouse, Monkey | ELISA, Immunohistochemistry, Western Blot |

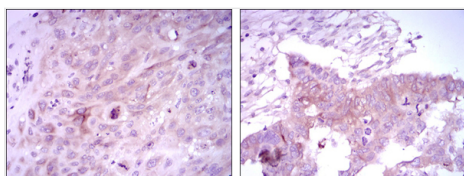
### PRODUCT SYNONYMS

FOXD3; FOXD3 Antibody; AIS1; HFH2; Genesis; anti-FOXD3 antibody

### PRODUCT SPECIFICATIONS

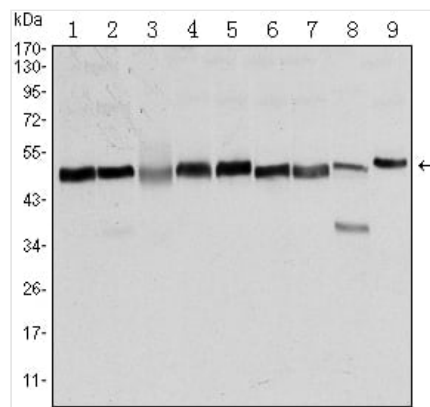
|                                                 |                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------|
| Host                                            | Mouse                                                              |
| Reactivity                                      | Human, Mouse, Monkey                                               |
| Isotype                                         | IgG1                                                               |
| Clone Number                                    | 5G9                                                                |
| Form/Format                                     | Ascitic fluid containing 0.03% sodium azide.                       |
| Sequence Length                                 | 478                                                                |
| Applicable Applications for anti-FOXD3 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)               |
| Immunogen                                       | Purified recombinant fragment of human FOXD3 expressed in E. Coli. |
| Preparation and Storage                         | Store at 4 degree C, for long term storage, store at -20 degree C. |

### IMAGES



#### IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and ovarian cancer tissues (right) using FOXD3 mouse mAb with DAB staining.



#### WB (Western Blot)

Figure 1: Western blot analysis using FOXD3 mouse mAb against NTERA-2 (1), HUVE-12 (2), HEK293 (3), Hela (4), Jurkat (5), K562 (6), RAW264.7 (7), NIH/3T3 (8), and COS7 (9) cell lysate.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FOXD3 antibody | FoxD3 is a member of the Forkhead Box family and is characterized by a winged-helix DNA-binding structure and the important role it plays in embryonic development. This transcriptional regulator is required for the maintenance of pluripotency in the pre-implantation and peri-implantation stages of mouse embryonic development and is also required for trophoblast formation. FoxD3 is required for the maintenance of the mammalian neural crest; FoxD3(-/-) mouse embryos fail around the time of implantation with loss of neural crest-derived structures. FoxD3 also forms a regulatory network with Oct-4 and NANOG to maintain the pluripotency of ES cells. 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. Tissue specificity: Expressed in chronic myeloid leukemia, Jurkat T-cell leukemia and teratocarcinoma cell lines, but not in any other cell lines or normal tissues examined. |
| Product Categories/Family for anti-FOXD3 antibody   | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | 6912372                     |
| NCBI GeneID                      | 27022                       |
| NCBI Accession #                 | NP_036315.1                 |
| NCBI GenBank Nucleotide #        | NM_012183.2                 |
| UniProt Accession #              | Q9UJU5; Q9BYM2; Q9UDD1      |
| Molecular Weight                 | 50kDa                       |
| NCBI Official Full Name          | forkhead box protein D3     |
| NCBI Official Synonym Full Names | forkhead box D3             |
| NCBI Official Symbol             | FOXD3                       |
| NCBI Official Synonym Symbols    | AIS1; HFH2; VAMAS2; Genesis |
| NCBI Protein Information         | forkhead box protein D3     |
| UniProt Protein Name             | Forkhead box protein D3     |
| UniProt Gene Name                | FOXD3                       |
| UniProt Synonym Gene Names       | HFH2                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-monkey-mouse-antibody/foxd3/108784>