

Rabbit FOXP1 Polyclonal Antibody | anti-FOXP1 antibody

Anti-FOXP1 Antibody

CATALOG # AAA19227	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Monkey	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

FOXP1; Polyclonal Antibody; Anti-FOXP1 Antibody; HSPC215; Forkhead box protein P1; Mac-1-regulated forkhead; MFH; forkhead box P1; anti-FOXP1 antibody

PRODUCT SPECIFICATIONS

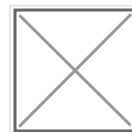
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for FOXP1 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg NaN ₃ .
Applicable Applications for anti-FOXP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 0.25-0.5ug/ml Human, Monkey IHC-P: 1-2ug/ml Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence of human FOXP1 (DFDHRDYEDEPVNEDME).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Figure 8. IHC analysis of FOXP1 using anti-FOXP1 antibody (AAA19227).FOXP1 was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-FOXP1 Antibody (AAA19227) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 7. IHC analysis of FOXP1 using anti-FOXP1 antibody (AAA19227).FOXP1 was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-FOXP1 Antibody (AAA19227) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



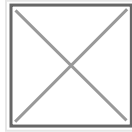
IHC (Immunohistochemistry)

Figure 6. IHC analysis of FOXP1 using anti-FOXP1 antibody (AAA19227).FOXP1 was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-FOXP1 Antibody (AAA19227) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



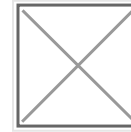
IHC (Immunohistochemistry)

Figure 5. IHC analysis of FOXP1 using anti-FOXP1 antibody (AAA19227).FOXP1 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-FOXP1 Antibody (AAA19227) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 4. IHC analysis of FOXP1 using anti-FOXP1 antibody (AAA19227).FOXP1 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-FOXP1 Antibody (AAA19227) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 3. IHC analysis of FOXP1 using anti-FOXP1 antibody (AAA19227).FOXP1 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-FOXP1 Antibody (AAA19227) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).

ADDITIONAL INFORMATION

Related Product Information for anti-FOXP1 antibody

FOXP1("forkhead box P1") is a gene that is necessary for the proper development of the brain and lung in mammals. It is a member of the large FOX family of transcription factors. This gene belongs to subfamily P of the forkhead box(FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood. Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region(3p14. 1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms. It was shown that the embryonic stem cell(ESC)-specific isoform of FOXP1 stimulates the expression of transcription factor genes required for pluripotency, including OCT4, NANOG, NR5A2, and GDF3, while concomitantly repressing genes required for ESC differentiation. This isoform also promotes the maintenance of ESC pluripotency and contributes to efficient reprogramming of somatic cells into induced pluripotent stem cells. These results reveal a pivotal role for an Alternative splicing event in the regulation of pluripotency through the control of critical ESC-specific transcriptional programs(2).

References

1. Banham, A. H., Beasley, N., Campo, E., Fernandez, P. L., Fidler, C., Gatter, K., Jones, M., Mason, D. Y., Prime, J. E., Trougouboff, P., Wood, K., Cordell, J. L. The FOXP1 winged helix transcription factor is a novel candidate tumor suppressor gene on chromosome 3p. Cancer Res. 61: 8820-8829, 2001.
2. Feng, X., Ippolito, G. C., Tian, L., Wiehagen, K., Oh, S., Sambandam, A., Willen, J., Bunte, R. M., Maika, S. D., Harriss, J. V., Caton, A. J., Bhandoola, A., Tucker, P. W., Hu, H. Foxp1 is an essential transcriptional regulator for the generation of quiescent naive T cells during thymocyte development. Blood 115: 510-518, 2010.
3. Shi, C., Sakuma, M., Mooroka, T., Liscoe, A., Gao, H., Croce, K. J., Sharma, A., Kaplan, D., Greaves, D. R., Wang, Y., Simon, D. I. Down-regulation of the forkhead transcription factor Foxp1 is required for monocyte differentiation and macrophage function. Blood 112: 4699-4711, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	348605235
NCBI GeneID	27086
NCBI Accession #	NP_001231745.1
NCBI GenBank Nucleotide #	NM_001244816.1

UniProt Accession #	Q9H334; Q8NAN6; Q9BSG9; Q9H332; Q9H333; Q9P0R1; A3QVP8; B3KV70; G5E9V8
Molecular Weight	75,317 Da
NCBI Official Full Name	forkhead box protein P1 isoform 1
NCBI Official Synonym Full Names	forkhead box P1
NCBI Official Symbol	FOXP1
NCBI Official Synonym Symbols	QRF1; 12CC4; hFKH1B; HSPC215
NCBI Protein Information	forkhead box protein P1; glutamine-rich factor 1; fork head-related protein like B
UniProt Protein Name	Forkhead box protein P1
UniProt Gene Name	FOXP1
UniProt Entry Name	FOXP1_HUMAN

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/polyclonal/foxp1-antibody-western-blot-immunohistochemistry-elisa/19227>