

## Product datasheet for **TA301514**

### FOXP3 Rabbit Polyclonal Antibody

#### Product data:

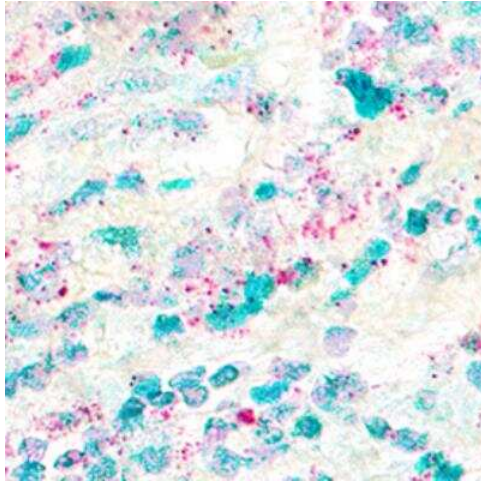
Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Western Blot: 1:1000-1:5000, Immunohistochemistry-Paraffin: 1:200 - 1:1000, Immunohistochemistry-Frozen: 1:50, Immunohistochemistry: 1:50-1:1000, Immunocytochemistry/ Immunofluorescence: 1:10-1:500, Dual RNAScope ISH-IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to the C-terminal region of human FOXP3 (between residues 400-431).
Formulation:	Tris-citrate/phosphate [pH 7-8] and Sodium Azide
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	forkhead box P3
Database Link:	<a href="#">NP_054728</a> <a href="#">Entrez Gene 50943 Human</a> <a href="#">Q9BZS1</a>
Background:	FOXP3 is a member of the forkhead/winged-helix family of transcriptional regulators and is highly conserved across mammals. FOXP3 is essential for normal immune homeostasis. FOXP3 is stably and constitutively expressed at a high level in CD25 + CD4 positive regulatory T cells, a low level in CD4-positive/CD25-negative cells, and is absent in CD4-negative/CD8-positive T cells. FOXP3 may be a master regulatory gene and a more specific marker of regulatory T cells than other T cells.
Synonyms:	AIID; DIETER; IPEX; JM2; PIDX; XPID



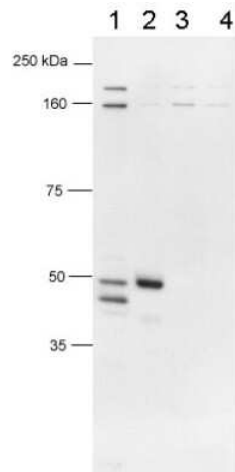
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Protein Families: Transcription Factors

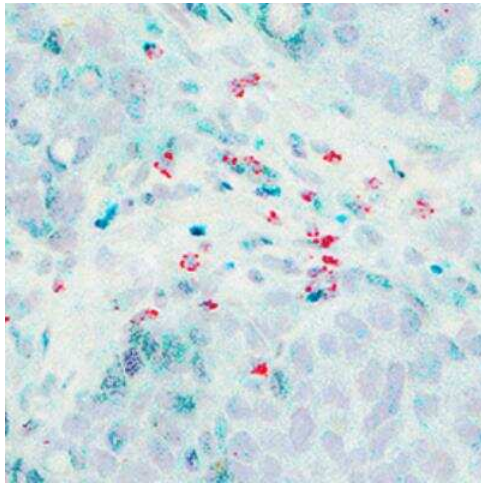
### Product images:



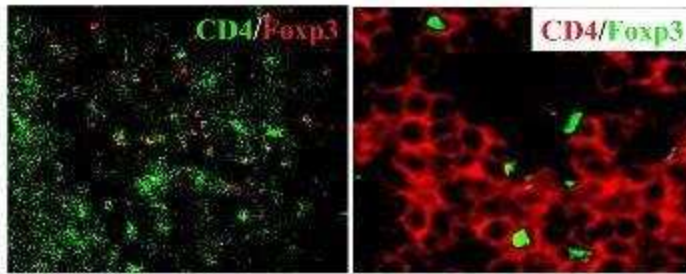
Dual RNAscope ISH-IHC: FoxP3 Antibody TA301514 - CD4 mRNA (red) and FOXP3 protein (green) were detected in formalin-fixed paraffin-embedded tissue sections of human breast cancer. ACD's Integrated Co-Detection Workflow was performed using ACD RNAscope Probe Hs-CD4 and FOXP3 antibody at 1:200 dilution. Tissue was stained on Leica Bond RX using RNAscope (TM) 2.5 LS Reagent Kit-RED, BOND Polymer Refine Detection (DAB) and Hematoxylin, BOND Polymer Refine Red Detection and Hematoxylin and RNAscope (TM) 2.5 LS Green Accessory Pack. Tissue was counterstained with 50% hematoxylin (blue).



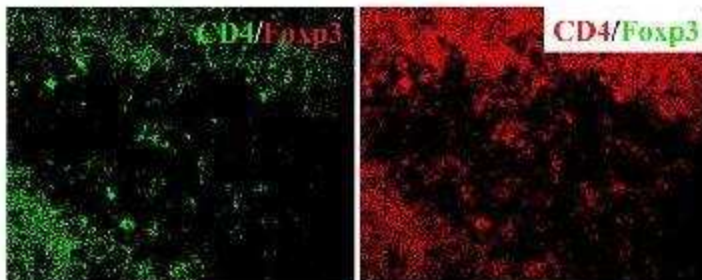
Western Blot: FOXP3 Antibody TA301514 - Detection of human FOXP3 using NB 600-245. Lane 1: Human CD4+CD25+ PBL, lane 2: HEK293T transfected with human Foxp3 cDNA, lane 3: 293/mouse foxp3, lane 4: 293/empty vector



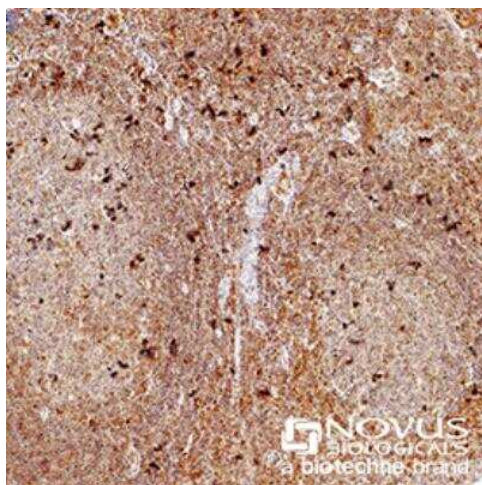
Dual RNAscope ISH-IHC: FoxP3 Antibody TA301514 - CD8A mRNA (red) and FOXP3 protein (green) were detected in formalin-fixed paraffin-embedded tissue sections of human breast cancer. ACD's Integrated Co-Detection Workflow was performed using ACD RNAscope Probe Hs-CD8A and FOXP3 antibody at 1:100 dilution. Tissue was stained on Leica Bond RX using RNAscope (TM) 2.5 LS Reagent Kit-RED, BOND Polymer Refine Detection (DAB) and Hematoxylin, BOND Polymer Refine Red Detection and Hematoxylin and RNAscope (TM) 2.5 LS Green Accessory Pack. Tissue was counterstained with 50% hematoxylin (blue).

**Double stains**


Immunohistochemistry-Frozen: FoxP3 Antibody - BSA Free TA301514 - FoxP3 Antibody TA301514 - Healthy thymus from a C57BL/6 mouse stained with FoxP3 and CD4.

**Controls**


Immunohistochemistry-Frozen: FoxP3 Antibody - BSA Free TA301514 - FoxP3 Antibody TA301514 - Healthy thymus from a C57BL/6 mouse incubated only with CD4 and no Foxp3.



Immunohistochemistry-Paraffin: FoxP3 Antibody TA301514 - Fox P3 was detected in immersion fixed paraffin-embedded sections of human tonsil using rabbit anti-human antibody (Catalog # TA301514) at 1:100 dilution overnight at 4C. Tissue was stained using the VisuCyte anti-rabbit HRP polymer detection reagent (Catalog # VC003) with DAB chromogen (brown) and counterstained with hematoxylin (blue). Images may not be copied, printed or otherwise disseminated without express written permission of Novus Biologicals a bio-techne brand.