Data Sheet (Cat.No.TMAC-01559)

Anti-FOXP1 Antibody (1G20)

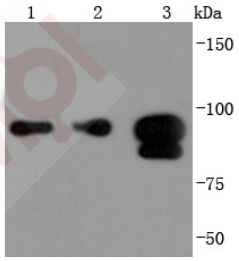
Product Details

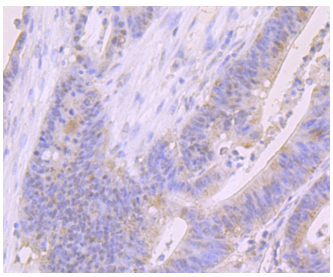
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 77/75 kDa.
Clone:	1G20
Purification:	ProA affinity purified

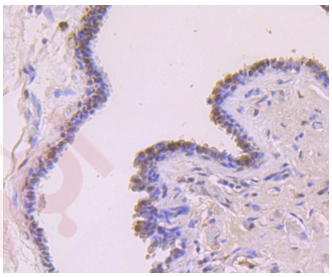
Applications

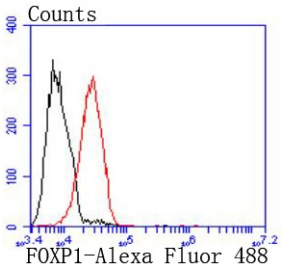
Verified Activity:

1. Western blot analysis of FOXP1 on different lysates using anti-FOXP1 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: Jurkat, Lane 3: MCF-7.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-FOXP1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-FOXP1 antibody. Counter stained with hematoxylin.
4. Flow cytometric analysis of MCF-7 cells with FOXP1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.









Application: FCM,IHC,WB

Recommended: WB: 1:1000-5000; IHC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q9H334

Synonyms: FOXP 1;hFKH1B;FOX P1;HSPC215;QRF 1;MGC99551;QRF1;Forkhead box P1;12CC4;FLJ23741; Glutamine rich factor 1;FOXP1_HUMAN;Fork head related protein like B;Forkhead box protein P1;MGC88572;MGC12942;foxp1

Research Background

The FOX family of transcription factors is a large group of proteins that share a common DNA binding domain termed a winged-helix or forkhead domain. During early development, FOXP1 and FOXP2 are expressed abundantly in the lung with lower levels of expression in neural, intestinal and cardiovascular tissues, where they act as transcription repressors. FOXP1 is widely expressed in adult tissues, while neoplastic cells often exhibit a dramatic change in expression level or localization of FOXP1. The gene encoding human FOXP1 maps to chromosome 3p14.1. The gene encoding human FOXP2 maps to chromosome 7q31. The gene encoding FOXP3, a third member of this family, maps to chromosome Xp11.23-Xq13.3. Mutations in this gene cause IPEX, a fatal, X-linked inherited disorder characterized by immune dysregulation. The FOXP3 protein, also known as scurfin, is essential for normal immune homeostasis. Specifically, FOXP3 represses transcription through a DNA binding forkhead domain, thereby regulating T-cell activation.

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