

Anti-Integrin alpha 3 antibody [J143] ab11767

3 References 1 图像

概述

产品名称	Anti-Integrin alpha 3抗体[J143]
描述	小鼠单克隆抗体[J143] to Integrin alpha 3
特异性	This antibody recognizes the alpha 3 subunit of VLA3 (ECMRI - extracellular matrix receptor I, URO1), which has been shown to be related to the chicken fibronectin/laminin receptor. VLA proteins are part of the integrin family of cell adhesion molecules, and the distribution of VLA3 in cells and tissues suggests a possible relationship with cellular adhesion. This antibody detects glycoproteins of 140, 120 and 30kDa.
经测试应用	适用于: IHC-Fr, ICC
种属反应性	与反应: Human
免疫原	253J bladder cancer cell line.
阳性对照	Kidney.
常规说明	

The URO panel of antibodies was developed to immuno-anatomically dissect the nephron from glomerulus to bladder urothelium - these antibodies detect various cell surface antigens specific to segments of the renal tubule. Several have been shown to occur as tissue related markers of renal cancers. This antibody reacts predominantly with adherent cell types and is absent from cells growing in suspension, e.g. leukemia, lymphoma, lymphoblastoid, or other hematopoietic cell lines. In tissues, the URO1 antigen is expressed by glomeruli, the basal layer of transitional epithelium and skin, and the basement membrane of glands. All bladder tumors express URO1, as do most kidney tumors and other epithelial tumors (e.g. colon, ovary, lung and breast). Astrocytoma, melanoma, sarcoma, and lymphoma specimens are negative for URO1 expression.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, 0.01M PBS
纯度	Tissue culture supernatant
Primary antibody说明	The URO panel of antibodies was developed to immuno-anatomically dissect the nephron from

glomerulus to bladder urothelium - these antibodies detect various cell surface antigens specific to segments of the renal tubule. Several have been shown to occur as tissue related markers of renal cancers. This antibody reacts predominantly with adherent cell types and is absent from cells growing in suspension, e.g. leukemia, lymphoma, lymphoblastoid, or other hematopoietic cell lines. In tissues, the URO1 antigen is expressed by glomeruli, the basal layer of transitional epithelium and skin, and the basement membrane of glands. All bladder tumors express URO1, as do most kidney tumors and other epithelial tumors (e.g. colon, ovary, lung and breast). Astrocytoma, melanoma, sarcoma, and lymphoma specimens are negative for URO1 expression.

克隆	单克隆
克隆编号	J143
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab11767** in the following tested applications.

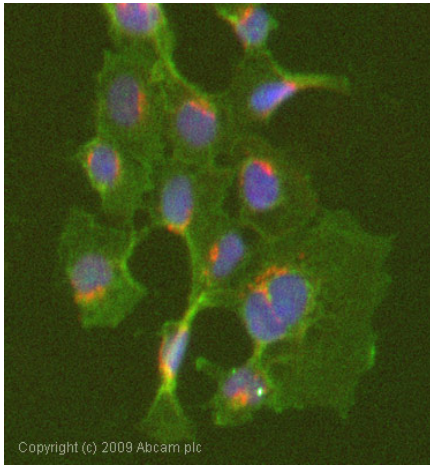
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-Fr		1/40. Fix with acetone.
ICC		1/40.

靶标

功能	Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.
组织特异性	Isoform alpha-3A is widely expressed. Isoform alpha-3B is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform alpha-3A is strongly expressed on vascular smooth muscle cells, isoform alpha-3B is detected only on endothelial vein cells.
序列相似性	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
翻译后修饰	Isoform alpha-3A, but not isoform alpha-3B, is phosphorylated on serine residues. Phosphorylation increases after phorbol 12-myristate 13-acetate stimulation. Isoform alpha-3A is phosphorylated on Tyr-1051.
细胞定位	Membrane.

图片



Immunocytochemistry/ Immunofluorescence -
Integrin alpha 3 antibody [J143] (ab11767)

ICC/IF image of ab11767 stained Hek293 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab11767, 1/1000 dilution) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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