

Anti-CD44 antibody [T2-F4] ab40983

★★★★★ [7 Abreviews](#) [6 References](#) [4 图像](#)

概述

产品名称	Anti-CD44抗体[T2-F4]
描述	大鼠单克隆抗体[T2-F4] to CD44
宿主	Rat
经测试应用	适用于: Flow Cyt, IP, ICC/IF, IHC-P
种属反应性	与反应: Mouse, Human
免疫原	Con A-activated mouse LN and thymus cells.
常规说明	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab189524 as a replacement.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Constituent: PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	T2-F4
同种型	IgG2

应用

The Abpromise guarantee [Abpromise™](#) 承诺保证使用ab40983于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt	★★★★★ (3)	

应用	Ab评论	说明
IP		
ICC/IF	★★★★★ (3)	
IHC-P	★★★★★ (1)	

应用说明

Flow Cyt: Use 5-10 μ l for 10⁶ cells.

IP: Use at an assay dependent dilution.

May also be used in antibody mediated cytotoxicity.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events.

组织特异性

Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells.

序列相似性

Contains 1 Link domain.

结构域

The lectin-like LINK domain is responsible for hyaluronan binding.

翻译后修饰

Proteolytically cleaved in the extracellular matrix by specific proteinases (possibly MMPs) in several cell lines and tumors.

N-glycosylated.

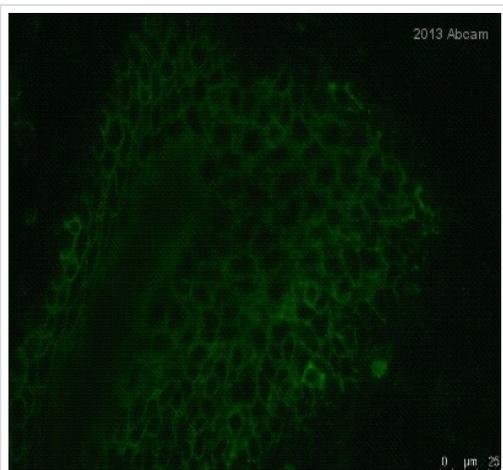
O-glycosylated; contains more-or-less-sulfated chondroitin sulfate glycans, whose number may affect the accessibility of specific proteinases to their cleavage site(s).

Phosphorylated; activation of PKC results in the dephosphorylation of Ser-706 (constitutive phosphorylation site), and the phosphorylation of Ser-672.

细胞定位

Membrane.

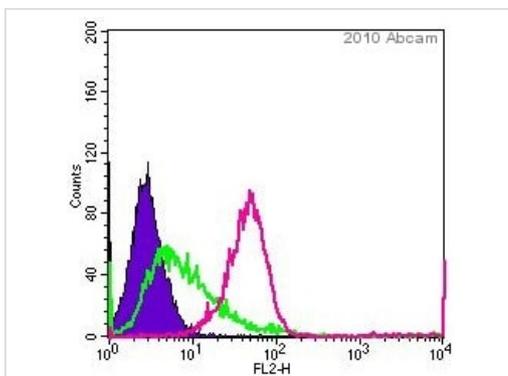
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD44 antibody [T2-F4] (ab40983)

This image is courtesy of an Abreview submitted by Zahra Abdalla

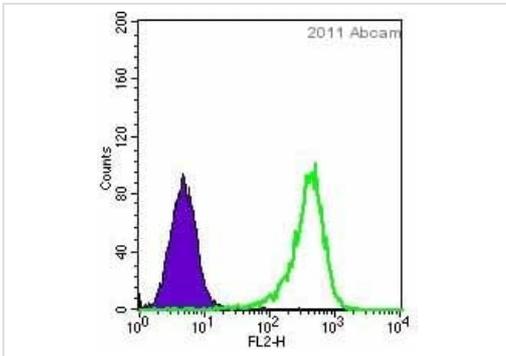
ab40983 staining CD44 in Human OSCC tongue tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 1% serum + 0.1% BSA for 30 minutes at 21°C. Samples were incubated with primary antibody (1/100 in blocking buffer) for 2 hours at 21°C. An Alexa Fluor®488-conjugated Goat anti-rat IgG monoclonal(1/400) was used as the secondary antibody.



Flow Cytometry - Anti-CD44 antibody [T2-F4] (ab40983)

This image is courtesy of an anonymous Abreview.

ab40983 staining mouse embryonic stem cells by Flow Cytometry. Cells were fixed in paraformaldehyde and gating was done on live cells. The primary antibody was diluted 1/100 and incubated with sample for 30 minutes at 25°C. A PE conjugated goat polyclonal to rat IgG, diluted 1/100 was used as secondary.



Flow Cytometry - Anti-CD44 antibody [T2-F4] (ab40983)

Image courtesy of an anonymous Abreview.

ab40983 used in Flow Cytometry.

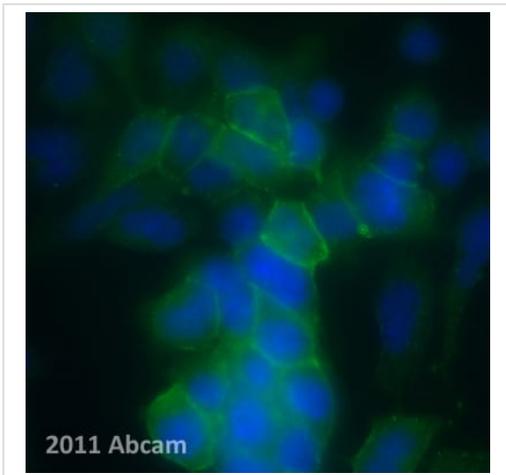
HUCPVCs were fixed in paraformaldehyde.

ab40983 used at a 1/100 dilution.

Secondary used was a goat anti-rat polyclonal conjugated to PE, used at a 1/100 dilution.

Purple plot shows rat IgG isotype control and secondary antibody

Green plot shows ab40983 and secondary antibody



Immunocytochemistry/ Immunofluorescence - Anti-CD44 antibody [T2-F4] (ab40983)

This image is courtesy of an anonymous abreviewer.

ab40983 staining CD44 protein on mutant mouse embryonic stem cell by ICC/IF. The cells were fixed in 1:1 methanol:acetone and blocked in 0.1% BSA plus 1% serum, for 30 minutes at 21°C. The primary antibody was diluted 1/100 and incubated with the cells for 2 hours at 21°C. An Alexa Fluor® 488 conjugated goat anti-rat IgG, diluted 1/200, was used as the secondary antibody.

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