

Product datasheet

Anti-CD44 (phospho S706) antibody ab63389

1 References 1 图像

概述

产品名称	Anti-CD44 (phospho S706)抗体
描述	兔多克隆抗体to CD44 (phospho S706)
宿主	Rabbit
特异性	Detects endogenous CD44 only when phosphorylated at serine 706.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Mouse, Human
免疫原	Synthetic phosphopeptide derived from human CD44 around the phosphorylation site of serine 706.
阳性对照	NIH/3T3 cells.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	The antibody was purified from rabbit antiserum by affinity chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab63389** in the following tested applications.

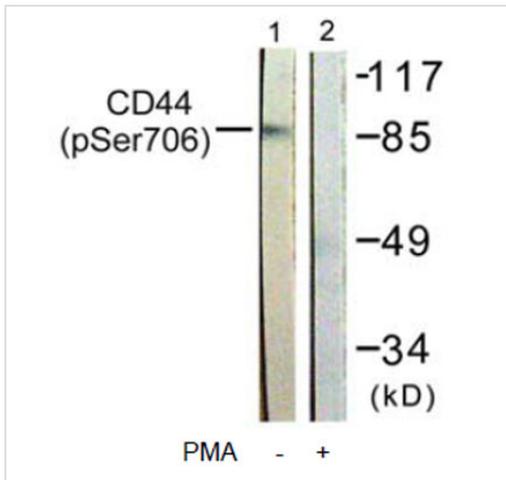
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/20000.
WB		1/500 - 1/1000. Detects a band of approximately 85 kDa (predicted molecular weight: 82 kDa).

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	<p>Proteolytically cleaved in the extracellular matrix by specific proteinases (possibly MMPs) in several cell lines and tumors.</p> <p>N-glycosylated.</p> <p>O-glycosylated; contains more-or-less-sulfated chondroitin sulfate glycans, whose number may affect the accessibility of specific proteinases to their cleavage site(s).</p> <p>Phosphorylated; activation of PKC results in the dephosphorylation of Ser-706 (constitutive phosphorylation site), and the phosphorylation of Ser-672.</p>
细胞定位	Membrane.

图片



Western blot - Anti-CD44 (phospho S706) antibody (ab63389)

All lanes : Anti-CD44 (phospho S706) antibody (ab63389) at 1/500 dilution

Lane 1 : Extracts from NIH/3T3 cells, treated with PMA (250ng/ml, 5mins)

Lane 2 : Extracts from NIH/3T3 cells, treated with PMA (250ng/ml, 5mins) with Phospho peptide

Lysates/proteins at 5 µg per lane.

Predicted band size: 82 kDa

Observed band size: 85 kDa

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