

Anti-CD44 antibody [1M7.8.1] ab119348

リコンビナント

20 References **画像数 2**

製品の概要

製品名	Anti-CD44 antibody [1M7.8.1]
製品の詳細	Rat monoclonal [1M7.8.1] to CD44
由来種	Rat
特異性	Detects a standard 85-kDa isoform of CD44 and a number of high molecular mass variant isoforms.
アプリケーション	適用あり: ICC/IF 適用なし: Flow Cyt, IHC-P or WB
種交差性	交差種: Mouse, Human
免疫原	Full length protein corresponding to Mouse CD44. Database link: <u>P15379</u>
ポジティブ・コントロール	ICC/IF: HeLa and NIH/3T3 cells.
特記事項	This product has switched from a hybridoma to recombinant production method on 02 nd November 2020 This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <u>see here</u> .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	1M7.8.1

アプリケーション

The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab119348の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

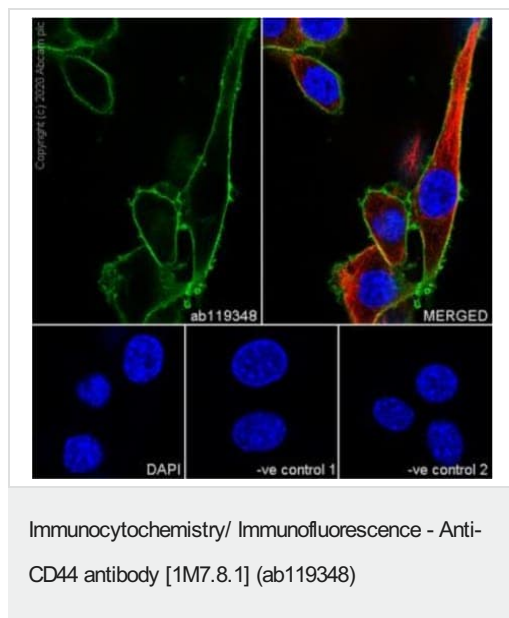
アプリケーション	Abreviews	特記事項
ICC/IF		1/250.

追加情報 Is unsuitable for Flow Cyt, IHC-P or WB.

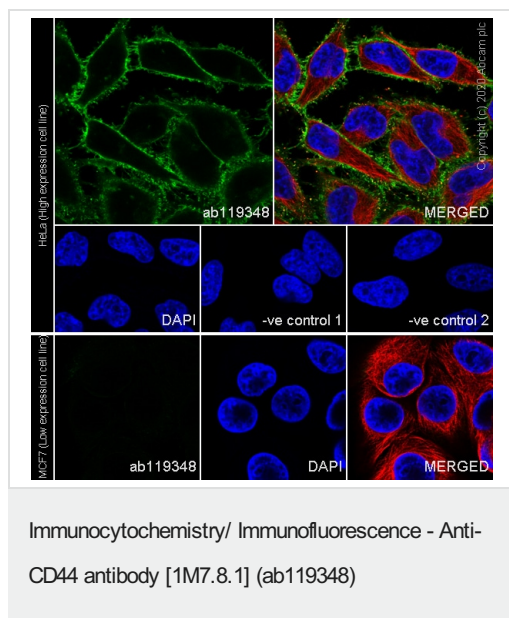
ターゲット情報

機能	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.
組織特異性	Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells.
配列類似性	Contains 1 Link domain.
ドメイン	The lectin-like LINK domain is responsible for hyaluronan binding.
翻訳後修飾	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.
細胞内局在	Membrane.

画像



NIH/3T3 (Mouse embryo fibroblast cell line) cells were fixed in 4% PFA and permeabilized with 0.1% Triton X-100. Primary antibody, ab119348 at 1/250 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti-Rat secondary antibody (**ab150157**) at 1/1000 dilution at RT for 45 min. **ab179513** Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab119348 overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (**ab150080**) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI. Confocal image showing strong membranous staining in NIH/3T3 cells.



HeLa (Human epithelial cell line from cervix adenocarcinoma) cells were fixed in 4% PFA and permeabilized with 0.1% Triton X-100. Primary antibody, ab119348 at 1/250 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti-Rat secondary antibody (**ab150157**) at 1/1000 dilution at RT for 45 min. **ab179513** Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab119348 overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (**ab150080**) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.

Confocal image showing strong membranous staining in HeLa cells.

Low expression control: MCF7 (PMID: 23039365).

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