

Product datasheet

Anti-GPR2/CCR10 antibody ab30718

画像数 4

製品の概要

製品名	Anti-GPR2/CCR10 antibody
製品の詳細	Rabbit polyclonal to GPR2/CCR10
由来種	Rabbit
アプリケーション	適用あり: IP, ICC/IF, WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Sheep, Pig 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human GPCR GPR2/CCR10.Immunogen の所有権に関して (Peptide available as ab32846 .)
ポジティブ・コントロール	MCF-7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab30718** in the following tested applications.

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

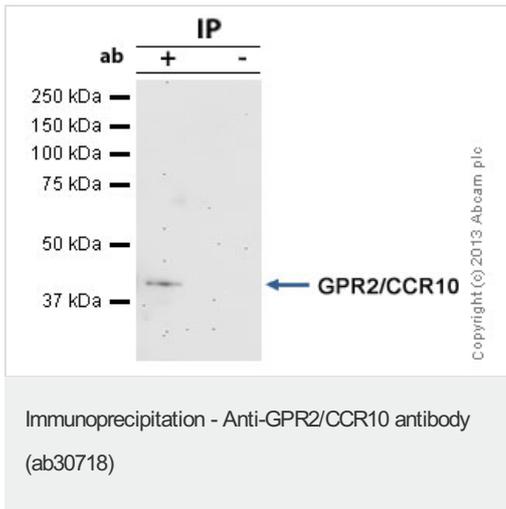
アプリケーション	Abreviews	特記事項
IP		Use a concentration of 5 µg/ml.
ICC/IF		Use a concentration of 5 µg/ml.

アプリケーション	Abreviews	特記事項
WB		1/250. Detects a band of approximately 42 kDa (predicted molecular weight: 38 kDa).
IHC-P		1/200. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

ターゲット情報

機能	Receptor for chemokines SCYA27 and SCYA28. Subsequently transduces a signal by increasing the intracellular calcium ions level and stimulates chemotaxis in a pre-B cell line.
組織特異性	Expressed at high levels in adult testis, small intestine, fetal lung, fetal kidney. Weaker expression was observed in many other adult tissues including spleen, thymus, lymph node, Peyer patches, colon, heart, ovary, peripheral blood lymphocytes, thyroid and spinal cord. Also expressed by melanocytes, dermal fibroblasts, dermal microvascular endothelial cells. Also detected in T-cells and in skin-derived Langerhans cells.
配列類似性	Belongs to the G-protein coupled receptor 1 family.
細胞内局在	Cell membrane.

画像



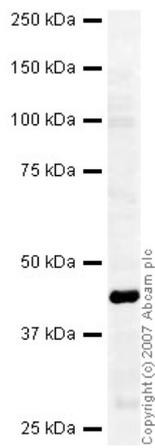
GPR2/CCR10 was immunoprecipitated using 0.5mg MCF7 whole cell extract, 5µg of Rabbit polyclonal to GPR2/CCR10 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, MCF7 whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab30718.

Secondary: Mouse monoclonal [SB62a]
Secondary Antibody to Rabbit IgG light chain (HRP) ([ab99697](#)).

Band: 42kDa; GPR2/CCR10



Western blot - Anti-GPR2/CCR10 antibody (ab30718)

Anti-GPR2/CCR10 antibody (ab30718) at 1/250 dilution + MCF-7 (Human breast adenocarcinoma cell line) Whole Cell Lysate at 10 µg

Secondary

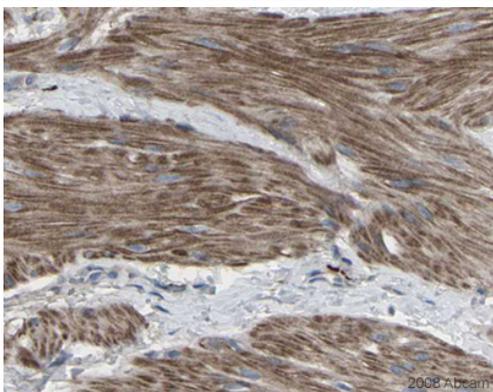
IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/15000 dilution

Performed under reducing conditions.

Predicted band size: 38 kDa

Observed band size: 42 kDa

The observed band size of 42 kDa is consistent with the banding pattern of other commercial antibodies to this target.



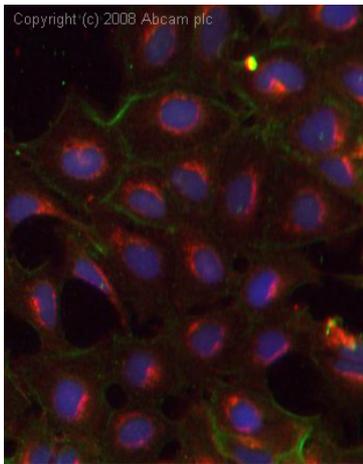
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GPR2/CCR10 antibody (ab30718)

Image courtesy of [Human Protein Atlas](http://www.proteinatlas.org)

ab30718 staining GPCR GPR2/CCR10 in Human smooth muscle. The paraffin embedded tissue was incubated with ab30718 (1/2000 dilution) for 30 mins at room temperature. Antigen retrieval was performed by heat induction in citrate buffer pH 6. Ab30718 was tested in a tissue microarray (TMA) containing a wide range of normal and cancer tissues as well as a cell microarray consisting of a range of commonly used, well characterised human cell lines.

Further results for this antibody can be found at www.proteinatlas.org

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Immunocytochemistry/ Immunofluorescence - Anti-GPR2/CCR10 antibody (ab30718)

ICC/IF image of ab30718 stained human HEK 293 cells. The cells were methanol fixed (5 min), permeabilised in 0.1% PBS-Tween (20 min) and incubated with the antibody (ab30718, 5µg/ml) for 1h at room temperature. 1%BSA / 10% normal goat serum / 0.3M glycine was used to block non-specific protein-protein interactions. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red). DAPI was used to stain the cell nuclei (blue).

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