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Product datasheet

Anti-Prolactin Receptor/PRL-R antibody [T6] ab2773

2 Abreviews 7 References 画像数 4

製品の概要

製品名	Anti-Prolactin Receptor/PRL-R antibody [T6]
製品の詳細	Mouse monoclonal [T6] to Prolactin Receptor/PRL-R
由来種	Mouse
特異性	Detects Prolactin Receptor/PRL-R in rat tissues. This antibody does not cross-react with Growth Hormone (GH) receptor. By Western blot, this antibody detects an ~42 kDa protein representing Prolactin Receptor/PRL-R in NB2 cell lysate. Immunohistochemical staining of Prolactin Receptor/PRL-R in NB2 cells yields a staining pattern consistent with cytoplasmic vesicular staining. This antibody has also been used to inhibit the binding of prolactin to Prolactin Receptor/PRL-R in vitro.
アプリケーション	**適用あり:** IHC-P, ICC/IF
種交差性	**交差種:** Rat, Human
免疫原	Full length native protein (purified) corresponding to Rat Prolactin Receptor/PRL-R. Purified rat liver PRL receptor.
ポジティブ・コントロール	IHC-P: Rat pituitary gland tissue. ICC: C6, H-4-II-E, SW480 cells.
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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	Constituent: PBS
精製度	Protein A purified
一次抗体 備考	Prolactin (PRL) is a hormone involved in a variety of important functions including ion transport and osmoregulation, stimulation of milk, protein synthesis as well as the regulation of numerous

reproductive functions. PRL exerts its influence on different cell types through a signal transduction pathway which begins with the binding of the hormone to a transmembrane PRL receptor. Immunoreactive PRL receptor, a member of the cytokine receptor family, varies in size (short and long forms) with tissue source and species, from ~40 kDa to 100 kDa. The PRL receptor consists of at least three separate domains: an extracellular region with 5 cysteines which contains the prolactin binding site, a single transmembrane domain and a cytoplasmic region, the length of which appears to influence ligand binding and regulate cellular function.

ポリ/モノ	モノクローナル
クローン名	T6
アイソタイプ	IgG2a

アプリケーション

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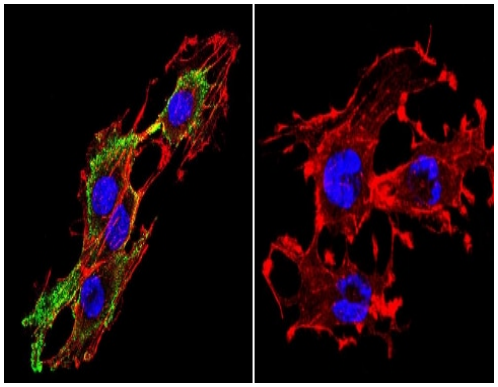
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/25 - 1/200.
ICC/IF		1/200.

ターゲット情報

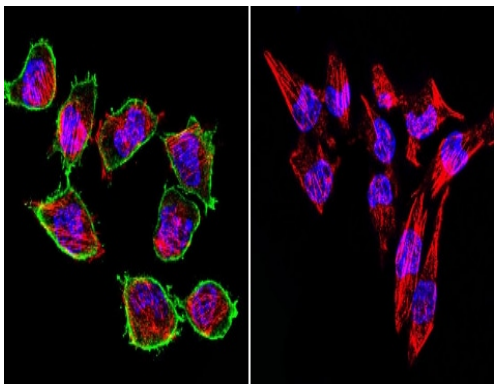
機能	This is a receptor for the anterior pituitary hormone prolactin (PRL). Isoform 4 is unable to transduce prolactin signaling. Isoform 6 is unable to transduce prolactin signaling.
組織特異性	Expressed in breast, placenta, kidney, liver and pancreas.
配列類似性	Belongs to the type I cytokine receptor family. Type 1 subfamily. Contains 2 fibronectin type-III domains.
ドメイン	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
細胞内局在	Secreted and Membrane.

画像



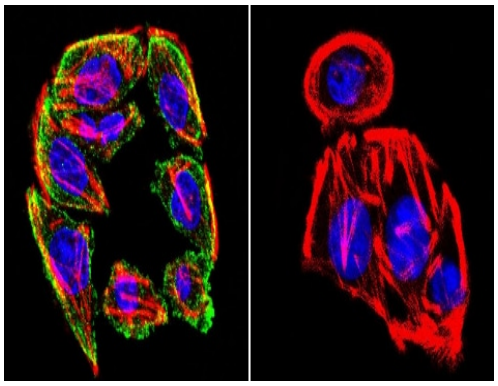
Immunocytochemistry/ Immunofluorescence - Anti-Prolactin Receptor/PRL-R antibody [T6] (ab2773)

Immunocytochemical analysis of C6 (Rat glial tumor cell line) cells labeling Prolactin Receptor/PRL-R. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were incbated without (control) or with ab2773 (1:200) overnight at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Prolactin Receptor/PRL-R staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



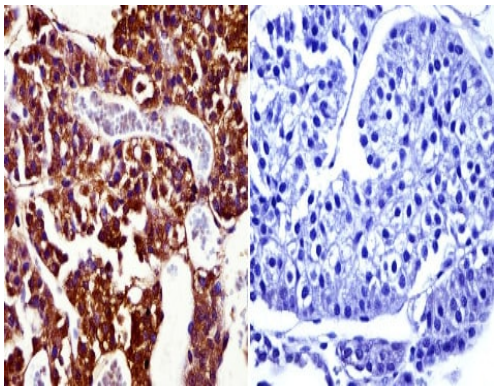
Immunocytochemistry/ Immunofluorescence - Anti-Prolactin Receptor/PRL-R antibody [T6] (ab2773)

Immunocytochemical analysis of H-4-II-E (Rat hepatoma cell line) cells labeling Prolactin Receptor/PRL-R. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were incbated without (control) or with ab2773 (1:200) overnight at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Prolactin Receptor/PRL-R staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



Immunocytochemistry/ Immunofluorescence - Anti-Prolactin Receptor/PRL-R antibody [T6] (ab2773)

Immunocytochemical analysis of in SW480 (Human colorectal adenocarcinoma cell line) cells labeling Prolactin Receptor/PRL-R. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were incbated without (control) or with ab2773 (1:200) overnight at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Prolactin Receptor/PRL-R staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prolactin Receptor/PRL-R antibody [T6] (ab2773)

Immunohistochemical analysis of normal biopsies of deparaffinized rat pituitary gland tissue labeling Prolactin Receptor/PRL-R. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature and incubated with ab2773 (1:50) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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