abcam

# Product datasheet

# Anti-FGFR4 antibody ab41948

2 Abreviews 2 References 画像数 3

## 製品の概要

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|---|---|
| **製品名** | Anti-FGFR4 antibody |
| **製品の詳細** | Rabbit polyclonal to FGFR4 |
| **由来種** | Rabbit |
| **アプリケーション** | **適用あり:** ICC/IF, WB, IHC-P |
| **種交差性** | **交差種:** Human |
| **免疫原** | Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human FGFR4.Immunogen の所有権に関して(Peptide available as ab42267.) |
| **ポジティブ・コントロール** | ab41948 gave a positive result in MDA MB 361 whole cell lysate. This antibody gave a positive result in IHC in the following FFPE tissue: Human liver cancer. |

## 製品の特性

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|---|---|
| **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<br>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 **ab41948** 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 |
|---|---|---|
| ICC/IF | | Use a concentration of 5 µg/ml. |

| アプリケーション | Abreviews | 特記事項 |
|---|---|---|
| WB | ★★★★☆ | Use a concentration of 1 µg/ml. Detects a band of approximately 89 kDa (predicted molecular weight: 89 kDa). |
| IHC-P | | Use a concentration of 5 µg/ml. |

## ターゲット情報

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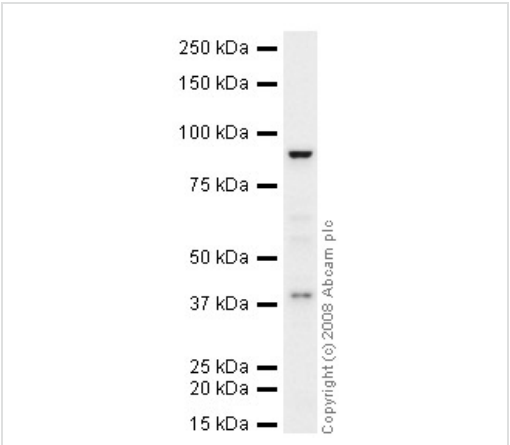
|---|---|
| **機能** | Receptor for acidic fibroblast growth factor. Does not bind to basic fibroblast growth factor. Binds FGF19. |
| **組織特異性** | Expressed in gastrointestinal epithelial cells, pancreas, and gastric and pancreatic cancer cell lines. |
| **配列類似性** | Belongs to the protein kinase superfamily. Tyr protein kinase family. Fibroblast growth factor receptor subfamily.<br>Contains 3 Ig-like C2-type (immunoglobulin-like) domains.<br>Contains 1 protein kinase domain. |
| **翻訳後修飾** | Glycosylated.<br>Phosphorylated on tyrosine residue (By similarity). Phosphorylation requires the presence of a functional (phosphorylated) FGFR1 and not necessarily by means of FGFR heterodimerization. |
| **細胞内局在** | Membrane. Isoform 2 may be secreted. |

## 画像



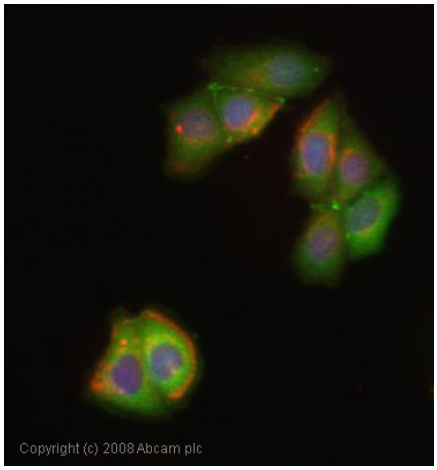

Western blot - Anti-FGFR4 antibody (ab41948)

Anti-FGFR4 antibody (ab41948) at 1 µg/ml + MDA MB 361 (Human breast adenocarcinoma cell line) Whole Cell Lysate at 10 µg

**Secondary**
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

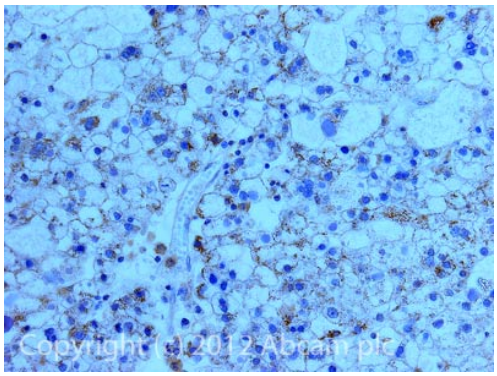
Performed under reducing conditions.

**Predicted band size:** 89 kDa
**Observed band size:** 89 kDa
**Additional bands at:** 38 kDa. We are unsure as to the identity of these extra bands.




Immunocytochemistry/ Immunofluorescence - Anti-FGFR4 antibody (ab41948)

ICC/IF image of ab41948 stained human MCF7 cells. The cells were 4% PFA fixed (10 min), permabilised in 0.1% PBS-Tween (20 min) and incubated with the antibody (ab41948, 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). This antibody also gave a positive IF result in HeLa, HEK 293 and HepG2 cells.




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FGFR4 antibody (ab41948)

IHC image of FGFR4 staining in Human liver cancer formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab41948, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



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