

## Product datasheet

# Anti-FGF2 antibody [AS25] (Biotin) ab16167

### 製品の概要

製品名	Anti-FGF2 antibody [AS25] (Biotin)
製品の詳細	Mouse monoclonal [AS25] to FGF2 (Biotin)
由来種	Mouse
標識	Biotin
特異性	Does not recognise human acidic FGF or a panel of other human cytokines
アプリケーション	<b>適用あり:</b> ELISA
種交差性	<b>交差種:</b> Human
免疫原	Unfortunately, this information is considered to be commercially sensitive

### 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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.08% Sodium Azide Constituents: PBS
精製度	Protein G purified
特記事項(精製)	Antibody Purity > 95 % by SDS PAGE
ポリ/モノ	モノクローナル
クローン名	AS25
アイソタイプ	IgG1

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab16167** 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
ELISA		

## 追加情報

ELISA: This antibody can be used as a solution phase antibody at 2 µg/ml in a two site ELISA with unconjugated FGF basic antibody. Typically the ELISA has a working range of 0-2000 pg/ml and a sensitivity of 5 pg/ml with the appropriate standard. Recovery of human basic FGF is human serum is typically >85% in the ELISA.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## ターゲット情報

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### 機能

Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro. Can induce angiogenesis (PubMed:23469107).

### 組織特異性

Expressed in granulosa and cumulus cells. Expressed in hepatocellular carcinoma cells, but not in non-cancerous liver tissue.

### 配列類似性

Belongs to the heparin-binding growth factors family.

### 翻訳後修飾

Phosphorylation at Tyr-215 regulates FGF2 unconventional secretion.

Several N-termini starting at positions 94, 125, 126, 132, 143 and 162 have been identified by direct sequencing.

### 細胞内局在

Secreted. Nucleus. Exported from cells by an endoplasmic reticulum (ER)/Golgi-independent mechanism. Unconventional secretion of FGF2 occurs by direct translocation across the plasma membrane. Binding of exogenous FGF2 to FGFR facilitates endocytosis followed by translocation of FGF2 across endosomal membrane into the cytosol. Nuclear import from the cytosol requires the classical nuclear import machinery, involving proteins KPNA1 and KPNB1, as well as CEP57.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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