



[Go to Product page](#)

Datasheet for ABIN6242326  
**anti-FGFR4 antibody (AA 448-482)**

1 Image

### Overview

Quantity:	80 µL
Target:	FGFR4
Binding Specificity:	AA 448-482
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR4 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This Mouse Fgfr4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 448-482 amino acids from the Central region of Mouse Fgfr4.
Clone:	RB50681
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	FGFR4
Alternative Name:	Fgfr4 ( <a href="#">FGFR4 Products</a> )
Background:	Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and

## Target Details

---

plays a role in the regulation of cell proliferation, differentiation and migration, and in regulation of lipid metabolism, bile acid biosynthesis, glucose uptake, vitamin D metabolism and phosphate homeostasis. Required for normal down-regulation of the expression of CYP7A1, the rate-limiting enzyme in bile acid synthesis, in response to FGF19. Phosphorylates PLCG1 and FRS2. Ligand binding leads to the activation of several signaling cascades. Activation of PLCG1 leads to the production of the cellular signaling molecules diacylglycerol and inositol 1,4,5-trisphosphate. Phosphorylation of FRS2 triggers recruitment of GRB2, GAB1, PIK3R1 and SOS1, and mediates activation of RAS, MAPK1/ERK2, MAPK3/ERK1 and the MAP kinase signaling pathway, as well as of the AKT1 signaling pathway. Promotes SRC-dependent phosphorylation of the matrix protease MMP14 and its lysosomal degradation. FGFR4 signaling is down-regulated by receptor internalization and degradation, MMP14 promotes internalization and degradation of FGFR4. Plays a role in postnatal lung development. May be involved in the development of skeletal muscle cell lineages.

---

Molecular Weight: 88661

---

UniProt: [Q03142](#)

---

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Carbohydrate Homeostasis](#), [Growth Factor Binding](#)

## Application Details

---

Application Notes: WB: 1:2000

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

---

Preservative: Sodium azide

---

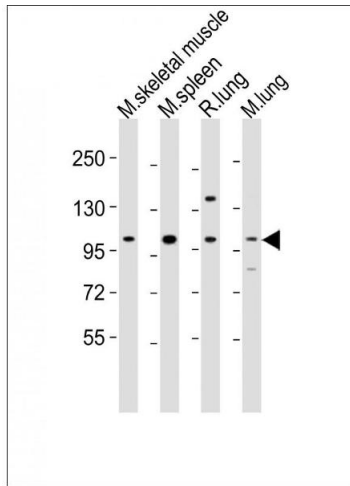
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

Storage: 4 °C, -20 °C

---

Expiry Date: 6 months



### Western Blotting

**Image 1.** All lanes : Anti-Fgfr4 Antibody (Center) at 1:2000 dilution Lane 1: mouse skeletal muscle lysates Lane 2: mouse spleen lysates Lane 3: rat lung lysates Lane 4: mouse lung lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 89 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.