

Cat. No:	MAB-94770
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC1474
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 700-802 of human FGFR4.
Reactivity:	Human, Mouse
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry (Paraffin-embedded tissues): 1:50 - 1:200
Molecular Weight:	95KDa/125KDa
Purification:	Affinity purification
Synonyms:	TKF; JTK2; CD334

Background:

The protein encoded by this gene is a tyrosine kinase and cell surface receptor for fibroblast growth factors. The encoded protein is involved in the regulation of several pathways, including cell proliferation, cell differentiation, cell migration, lipid metabolism, bile acid biosynthesis, vitamin D metabolism, glucose uptake, and phosphate homeostasis. This protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment, and a cytoplasmic tyrosine kinase domain. The extracellular portion interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation.

Form:

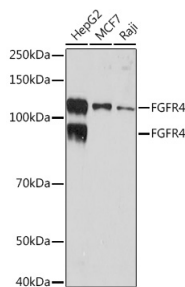
Liquid

Buffer:

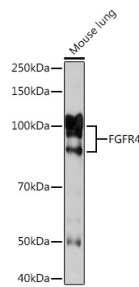
PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

Storage:

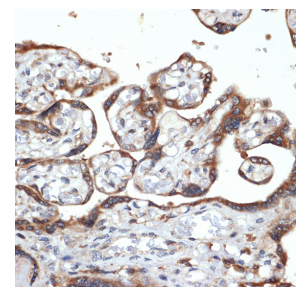
Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using FGFR4 Rabbit mAb at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.



Western blot analysis of extracts of Mouse lung, using FGFR4 Rabbit mAb at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in



Immunohistochemistry of paraffinembedded human placenta using FGFR4 Rabbit mAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Blocking buffer: 3% nonfat dry milk in
TBST.
Detection: ECL West Pico Plus.
Exposure time: 3min.

TBST.
Detection: ECL West Pico Plus.
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References:

References for FGFR4 Rabbit mAb

Product:FGFR4 Rabbit mAb

Journal:The Journal of nutritional biochemistry

Application:WB

IF:6.11

Species:Rattus norvegicus

PMID:35613674

Title:Antarctic Krill Oil ameliorates liver injury in rats exposed to alcohol by regulating bile acids metabolism and gut microbiota

References for FGFR4 Rabbit mAb

Product:FGFR4 Rabbit mAb

Journal:Frontiers in bioengineering and biotechnology

Application:WB

IF:6.06

Species:Homo sapiens

PMID:36532586

Title: Generation of multicellular tumor spheroids with micro-well array for anticancer drug combination screening based on a valuable biomarker of hepatocellular carcinoma - PMC