ARG55616
anti-FER antibody [1487CT794.8.50]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes FER
Tested Reactivity	Ms
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	1487CT794.8.50
Isotype	IgG2a, kappa
Target Name	FER
Species	Mouse
Immunogen	Recombinant protein of Mouse FER.
Conjugation	Un-conjugated
Alternate Names	Fert2; p94-Fer; Fer; Fert; Tyrosine-protein kinase Fer; Proto-oncogene c-Fer; EC 2.7.10.2

Application Instructions

Application table

Application	Dilution
WB	1:4000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: NIH/3T3

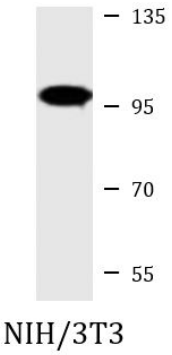
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 14158 Mouse Swiss-port # P70451 Mouse
Gene Symbol	Fer
Gene Full Name	fer (fms/fps related) protein kinase
Function	Tyrosine-protein kinase that acts downstream of cell surface receptors for growth factors and plays a role in the regulation of the actin cytoskeleton, microtubule assembly, lamellipodia formation, cell adhesion, cell migration and chemotaxis. Acts downstream of EGFR, KIT, PDGFRA and PDGFRB. Acts downstream of EGFR to promote activation of NF-kappa-B and cell proliferation. May play a role in the regulation of the mitotic cell cycle. Plays a role in the insulin receptor signaling pathway and in activation of phosphatidylinositol 3-kinase. Acts downstream of the activated FCER1 receptor and plays a role in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Plays a role in the regulation of mast cell degranulation. Plays a role in leukocyte recruitment and diapedesis in response to bacterial lipopolysaccharide (LPS). Phosphorylates CTTN, CTNND1, PTK2/FAK1, GAB1, PECAM1 and PTPN11. May phosphorylate JUP and PTPN1. Can phosphorylate STAT3, but clearly plays a redundant role in STAT3 phosphorylation. Cells where wild type FER has been replaced by a kinase-dead mutant show no reduction in STAT3 phosphorylation. Phosphorylates TMF1. Isoform 3 lacks kinase activity. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	95 kDa
PTM	Autophosphorylated. Polyubiquitinated; this leads to proteasomal degradation.

Images



ARG55616 anti-FER antibody WB image

Western blot: 20 µg of NIH/3T3 cell lysate stained with ARG55616 anti-FER antibody at 1:4000 dilution.