Immunotag™ Phospho-FER(Tyr402) Antibody

Antibody Specification

Catalog No.	ITA0017
Product Description	Immunotag™ Phospho-FER(Tyr402) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-FER(Tyr402)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human FER around the phosphorylation site of Tyrosine 402
Specificity	Phospho-FER(Tyr402) Antibody detects endogenous levels of FER only when phosphorylated at Tyrosine 402
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	FER
Accession No.	P16591

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Alternate Names	c FER; Feline encephalitis virus related kinase FER; Fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94); Fer (fps/fes related) tyrosine kinase; FER; FER_HUMAN; FerT; Fujinami poultry sarcoma/Feline sarcoma related protein Fer; p94 FER; p94-FER; Pe1Fe10; Pe1Fe13; Pe1Fe3; Pe1Fe6; Phosphoprotein NCP94; PPP1R74; Protein phosphatase 1 regulatory subunit 74; Proto oncogene tyrosine protein kinase FER; Proto-oncogene c-Fer; TYK3; Tyrosine kinase 3; Tyrosine-protein kinase Fer;
Description	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). Plays a role in synapse organization, trafficking of synaptic vesicles, the generation of excitatory postsynaptic currents and neuron-neuron synaptic transmission. Plays a role in neuronal cell death after brain damage. Phosphorylates CTTN, CTNND1, PTK2/FAK1, GAB1, PECAM1 and PTPN11. May phosphorylate JUP and PTPN1. Can phosphorylate STAT3, but the biological relevance of this depends on cell type and stimulus.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	85kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.