

Datasheet for ABIN6243360
anti-FER antibody (AA 1-300)



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2 Images **1** Publication

Overview

Quantity:	400 µL
Target:	FER
Binding Specificity:	AA 1-300
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FER antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This FER antibody is generated from a mouse immunized with a recombinant protein.
Clone:	1457CT181-12-17
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	FER
Alternative Name:	FER (FER Products)
Background:	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

Target Details

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.

Molecular Weight: 94638

UniProt: [P16591](#)

Application Details

Application Notes: WB: 1:2000. IHC-P: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

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

Preservative: Sodium azide

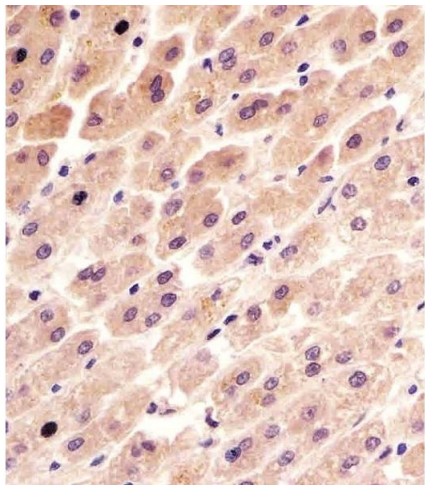
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months

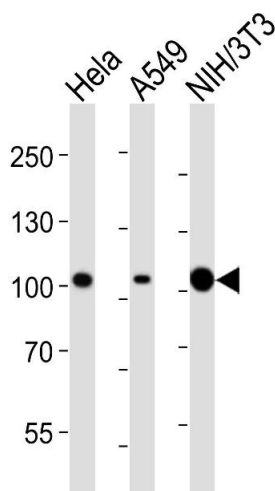
Publications

Product cited in: Meng, Chen, Zhang: "Intracellular Insulin and Impaired Autophagy in a Zebrafish model and a Cell Model of Type 2 diabetes." in: **International journal of biological sciences**, Vol. 13, Issue 8, pp. 985-995, (2018) ([PubMed](#)).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN6243360 and ABIN6577092) staining FER in human liver tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. Western blot analysis of lysates from HeLa, A549, mouse NIH/3T3 cell line (from left to right), using FER Antibody (ABIN6243360 and ABIN6577092). (ABIN6243360 and ABIN6577092) was diluted at 1:2000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.