



[Go to Product page](#)

Datasheet for ABIN6254033

## anti-FMR1 antibody (pSer499)

1 Image

4 Publications

### Overview

Quantity:	100 µL
Target:	FMR1
Binding Specificity:	pSer499
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FMR1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser499 conjugated to KLH
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	bovine, canine, chicken, human, mouse, non-human primates, sheep, Xenopus, zebra fish
Purification:	Antigen Affinity Purified from Pooled Serum

### Target Details

Target:	FMR1
Alternative Name:	FMR1 ( <a href="#">FMR1 Products</a> )
Molecular Weight:	~71 kDa

## Target Details

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Gene ID: 24948

UniProt: [Q80WE1](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Buffer: 100 µL in 10 mM HEPES ( pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50 % glycerol.

Storage: -20 °C

## Publications

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Product cited in: Ning, Liang, Liu, Wang, Edwards, Xia, Polin, Dyson, Taub, Mohammad, Azmi, Zhao, Ge: "Targeting ERK enhances the cytotoxic effect of the novel PI3K and mTOR dual inhibitor VS-5584 in preclinical models of pancreatic cancer." in: **Oncotarget**, Vol. 8, Issue 27, pp. 44295-44311, (2018) ([PubMed](#)).

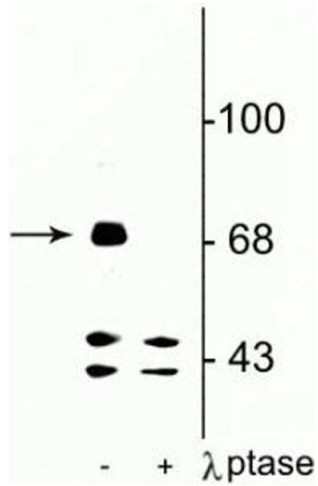
Logvinova, Matyushenko, Nikolaeva, Levitsky: "Transient interaction between the N-terminal extension of the essential light chain-1 and motor domain of the myosin head during the ATPase cycle." in: **Biochemical and biophysical research communications**, Vol. 495, Issue 1, pp. 163-167, (2018) ([PubMed](#)).

Su, Li, Ma, Zhao, Liu, Wang, Edwards, Taub, Lin, Ge: "Targeting PI3K, mTOR, ERK, and Bcl-2 signaling network shows superior antileukemic activity against AML ex vivo." in: **Biochemical pharmacology**, Vol. 148, pp. 13-26, (2018) ([PubMed](#)).

Tian, Feng, Han, Wu, Lv, Shen, Li, Zhang, Liu: "Magnolol Alleviates Inflammatory Responses and Lipid Accumulation by AMP-Activated Protein Kinase-Dependent Peroxisome Proliferator-Activated Receptor  $\alpha$  Activation." in: **Frontiers in immunology**, Vol. 9, pp. 147, (2018) ([PubMed](#)).

Yang, Shi, Liang, Ji, Zhang, Shen, Zhu, Xu: "Anti-tumor effect of evodiamine by inducing Akt-mediated apoptosis in hepatocellular carcinoma." in: **Biochemical and biophysical research**

## Images

**Western Blotting**

**Image 1.** Western blot of rat hippocampal lysate showing specific immunolabeling of the ~71 kDa FMRP protein phosphorylated at Ser499 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (400 units/100uL lysate for 30 min).