

DATASHEET

FAM120A Mouse Monoclonal Antibody(C4025)

CAT. NO. AMA03637

KEY FEATURES

Target	FAM120A	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Component of the oxidative stress-induced survival signaling. May regulate the activation of SRC family protein kinases . May act as a scaffolding protein enabling SRC family protein kinases to phosphorylate and activate PI3-kinase . Binds IGF2 RNA and promotes the production of IGF2 protein .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF/ICC	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to FAM120A
Specificity	Recognizes endogenous levels of FAM120A protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human FAM120A. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 121 kD; Observed: 132 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	C9orf10; KIAA0183; OSSA; Constitutive coactivator of PPAR-gamma-like protein 1; Oxidative stress-associated Src activator; Protein FAM120A
Gene Symbol	FAM120A
Entrez Gene	23196(Human)
SwissProt	Q9NZB2(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

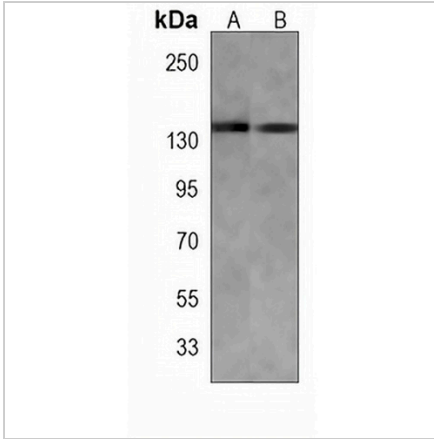
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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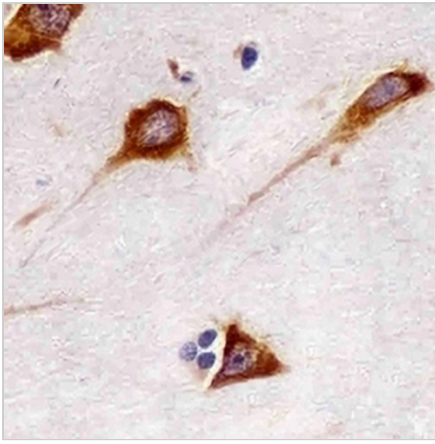
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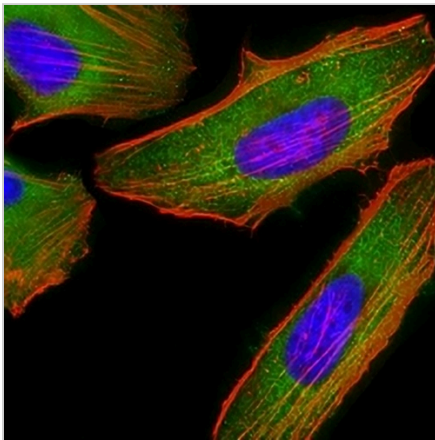
DATA



Western blot analysis of FAM120A expression in MCF7 (A), U2OS (B) whole cell lysates. (Predicted band size: 121 kD; Observed band size: 132 kD)



Immunohistochemical analysis of FAM120A staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of FAM120A staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.