

Anti-SH2D4A Antibody

Catalog # AP53870

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9H788
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52727

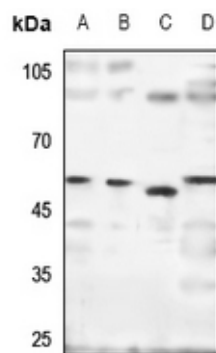
Additional Information

Gene ID	63898
Other Names	PPP1R38; SH2A; SH2 domain-containing protein 4A; Protein SH(2)A; Protein phosphatase 1 regulatory subunit 38
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SH2D4A. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

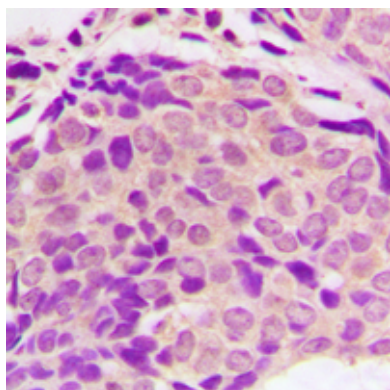
Protein Information

Name	SH2D4A
Synonyms	PPP1R38, SH2A
Function	Inhibits estrogen-induced cell proliferation by competing with PLCG for binding to ESR1, blocking the effect of estrogen on PLCG and repressing estrogen-induced proliferation. May play a role in T- cell development and function.
Cellular Location	Cytoplasm. Note=Located at podocyte foot processes.
Tissue Location	Ubiquitously expressed. Aberrantly expressed in some cancers.

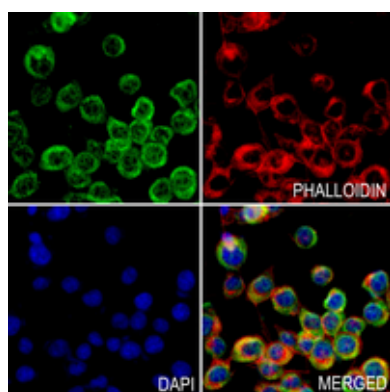
Images



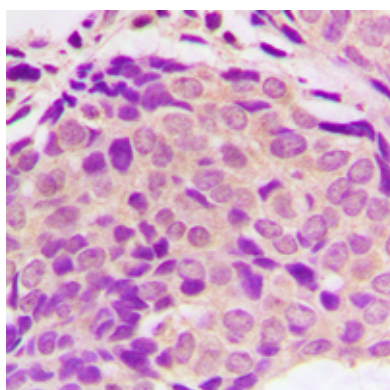
Western blot analysis of SH2D4A expression in mouse kidney (A), mouse liver (B), rat kidney (C), rat liver (D) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 52 kD)



Immunohistochemical analysis of SH2D4A staining in human breast cancer 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 SH2D4A staining in BV2 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.