

Datasheet for 600-401-X06**FAM129B Phospho S679/689 Antibody****Overview**

Description:	Anti-FAM129B pS679/689 (RABBIT) Antibody - 600-401-X06
Item No.:	600-401-X06
Size:	100 µL
Applications:	WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	FAM129B, also known as Niban-like protein 1, belongs to a poorly characterized protein family with unknown category and function. Increased expression of the Niban gene has been observed in renal carcinomas. Suppression of FAM129B expression in HeLa cells has been seen to promote apoptosis, suggesting that it can modulate cell death signaling, and may be involved in the ER stress response. FAM129B is also up-regulated in various types of thyroid tumors and Hashimoto's thyroiditis. It has been suggested that the MAP kinase dependent phosphorylation of FAM129B is important in controlling melanoma cells, as inhibition of B/Raf/MKK/ERK in melanoma cells represses invasion. It is believed that phosphorylated FAM129B not only derepresses invasion, but also regulates events that promote invasion. FAM129B pS679/683 Antibody is ideal for researchers interested in cancer research.
Synonyms:	Niban-like protein 1, Meg-3, Melanoma invasion by ERK, MINERVA, Protein FAM129B
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FAM129B
Reactivity:	Human, Mouse
PTM Specificity:	Phosphorylation

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Phospho-Ser679/683 FAM129B Antibody was produced in rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding Ser679/683 of human FAM129B conjugated to KLH.
Purity/Specificity:	Anti-Phospho-Ser679/683 FAM129B Antibody is directed against human FAM129B protein phosphorylated at S679 and S683. The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. This antibody is specific for phosphorylated FAM129B. Minimal reactivity occurs against non-phosphorylated FAM129B. Reactivity against FAM129B occurs from mouse sources. However, reactivity is also expected against human and non-human primate based on 100% sequence homology.
Relevant Links:	• UniProtKB - Q96TA1 • GeneID - 64855 • NCBI - NP_001030611.1

Application Details

Tested Applications:	WB
Application Note:	Anti-Phospho-Ser679/683 FAM129B Antibody is tested for Western Blots and is specific for the ~83 kDa FAM129B phosphorylated at Ser679/683. Immunolabeling is blocked by preadsorption of antibody with the phospho-peptide that was used to generate the antibody but not by the corresponding dephospho-peptide.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1:1000

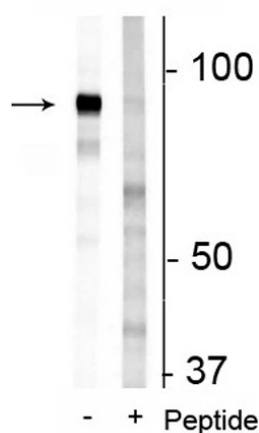
Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Preservative:	None
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot of Anti-FAM129B pS679/689 Antibody.
 3T3 cell lysate showing specific immunolabeling of the ~83 kDa FAM129B protein phosphorylated at Ser679/683 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).

Disclaimer

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