

For Research Use Only

FAM103A1 Polyclonal antibody

Catalog Number: 19422-1-AP **1 Publications**



Basic Information

Catalog Number: 19422-1-AP	GenBank Accession Number: BC003627	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 83640	Recommended Dilutions: WB 1:200-1:1000 IHC 1:250-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: family with sequence similarity 103, member A1	
Isotype: IgG	Calculated MW: 118 aa, 14 kDa	
Immunogen Catalog Number: AG13749	Observed MW: 14 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A549 cells, MCF-7 cells, PC-3 cells

IHC : mouse lung tissue, human oesophagus cancer tissue

IF : MCF-7 cells,

Background Information

FAM103A1, also named as RNMT-activating mini protein, is a 118 amino acid protein, which belongs to the RAM family. FAM103A1 as a component of mRNA cap binding complex localizes in the nucleus. FAM103A1 is required for efficient mRNA cap methylation and regulates RNMT expression by a post-transcriptional stabilizing mechanism.

Notable Publications

Author	Pubmed ID	Journal	Application
Michael J Osborne	35026230	J Mol Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

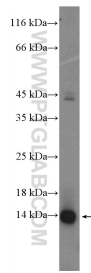
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

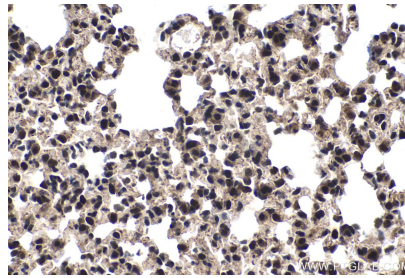
E: proteintech@ptglab.com
W: ptglab.com

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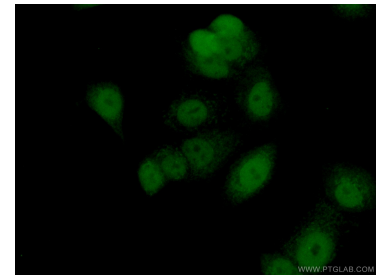
Selected Validation Data



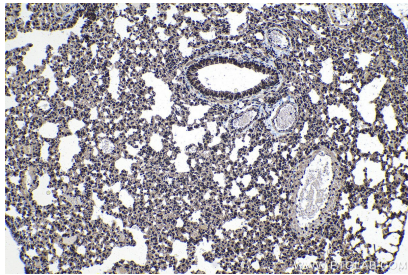
A549 cells were subjected to SDS PAGE followed by western blot with 19422-1-AP (FAM103A1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



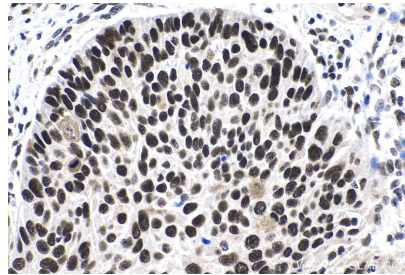
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 19422-1-AP (FAM103A1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



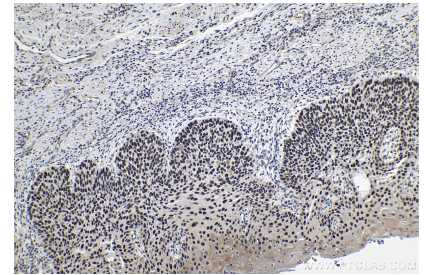
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using 19422-1-AP (FAM103A1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 19422-1-AP (FAM103A1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 19422-1-AP (FAM103A1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 19422-1-AP (FAM103A1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).