

FAM107A Polyclonal Antibody

Catalog number: 12176-1-AP

Size: 26 µg/150 µl

Source: Rabbit

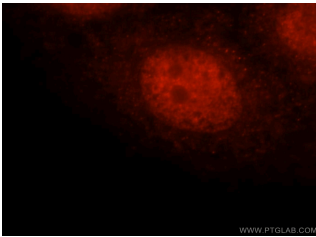
Isotype: IgG

Synonyms:

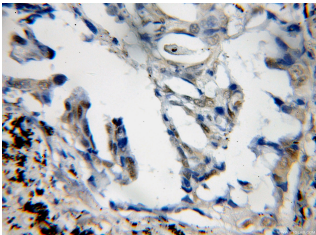
FAM107A; DRR1, FAM107A,

FLJ30158, FLJ45473, Protein

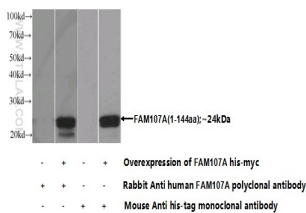
FAM107A, Protein TU3A, TU3A



Immunofluorescent analysis of MCF-7 cells, using FAM107A antibody 12176-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human lung cancer using 12176-1-AP(FAM107A antibody) at dilution of 1:50 (under 10x lens)



Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 12176-1-AP(FAM107A Antibody) at dilution of 1:1000

Background

FAM107A, also named as TU3A, encodes a 144 amino-acid protein, which contains a coiled-coil domain and a nuclear localization signal. FAM107A as a transcription factor regulates some gene transcription and signal transduction in cell. With the exception of peripheral blood cells, FAM107A is widely expressed in normal tissues, but shows significant loss of expression in renal cell carcinomas and frequent loss of expression in cervical, gastric, ovarian and non small cell lung cancers. Transfection of FAM107A mRNA into cancer cell line inhibits cell growth and proliferation, supporting the evidence that the gene functions as an important tumor suppressor.

Applications

Tested applications:	ELISA, IHC, IF, WB
Species specificity:	Human, Mouse; other species not tested.
Calculated FAM107A MW:	144aa, 17 kDa
Observed FAM107A MW:	
Positive WB detected in	Transfected HEK-293 cells
Positive IHC detected in	Human lung cancer tissue
Positive IF detected in	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2820
GenBank accession number:	BC010561
Gene ID (NCBI):	11170
Full name:	Family with sequence similarity 107, member A

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.