

FAM220A Rabbit pAb

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Catalog # AP55722

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z4H9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28021
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM220A
Epitope Specificity	191-259/259
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	May negatively regulate STAT3. Interacts with STAT3.

Additional Information

Gene ID	84792
Other Names	Protein FAM220A, STAT3-interacting protein as a repressor, FAM220A (HGNC:22422)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FAM220A (HGNC:22422)
Function	Promotes dephosphorylation of transcriptional activator STAT3 by interacting with both STAT3 and protein phosphatase PTPN2. This promotes interaction of PTPN2 with STAT3 and mediates STAT3 dephosphorylation by PTPN2, leading to negative regulation of STAT3 transcriptional activator activity. May be required for spermiogenesis or sperm function.

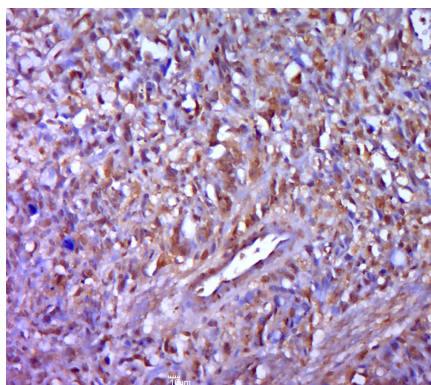
Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q3ZN08}. Cytoplasm {ECO:0000250|UniProtKB:Q3ZN08}. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q3ZN08}. Note=Localizes to both nucleus and cytoplasm but located predominantly in the nucleus. Detected in the sperm acrosome prior to the acrosome reaction and is likely to be released from acrosome-reacted sperm. {ECO:0000250|UniProtKB:Q3ZN08}

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAM220A) Polyclonal Antibody, Unconjugated (AP55722) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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