

FCGBP Rabbit pAb

FCGBP Rabbit pAb
Catalog # AP55078

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9Y6R7
Reactivity	Rat, Human, Mouse
Predicted	Dog, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	572017
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FCGBP
Epitope Specificity	431-530/5405
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	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Fc (Ig constant fragment) receptors ensure protection of the host against foreign antigens, such as microorganisms and pathogens, by removing Ig-coated antigen complexes from circulation. Fc receptors are present on lymphoid and myeloid derivatives, where they mediate endocytosis of Ig-antigen complexes, antibody production in B cells through T cell antigen presentation, cytotoxicity and the release of cytokines and reactive oxygen species. The Fc γ -binding protein (FCGBP) interacts with the Fc portion of IgG and MUC2 to mediate the maintenance of the mucosal structure. FCGBP is a 5,405 amino acid protein that contains twelve TIL (trypsin inhibitory-like) domains and thirteen VWFD domains. It is predominantly expressed in placenta and colon epithelium as well as in thyroid and serum. Patients with various autoimmune diseases seemingly have higher levels of FCGBP protein present in their serum.

Additional Information

Gene ID	8857
Other Names	IgGFc-binding protein, Fcgamma-binding protein antigen, FcgammaBP, FCGBP
Dilution	WB=1:500-2000,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.

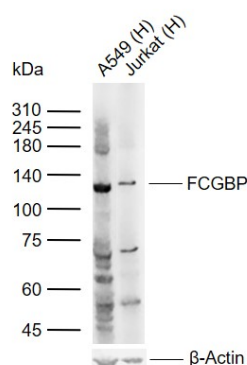
Protein Information

Name	FCGBP
Function	May be involved in the maintenance of the mucosal structure as a gel-like component of the mucosa.
Cellular Location	Secreted.
Tissue Location	Mainly expressed in placenta and colon epithelium. Expressed in thyroid, and down-regulated in thyroid carcinomas. Present in serum, with higher levels in patients with various autoimmune diseases (at protein level).

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:

Lane 1: Human A549 cell lysates

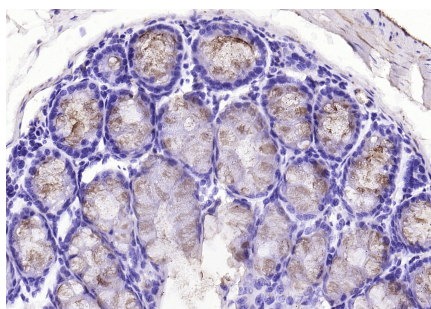
Lane 2: Human Jurkat cell lysates

Primary: Anti-FCGBP (AP55078) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 569 kDa

Observed band size: 120 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse colon); 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 (FCGBP) Polyclonal Antibody, Unconjugated (AP55078) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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