

Anti-FCGBP Polyclonal Antibody

Product Details

| | |
|-------------------|--|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat (predicted:Dog,Rabbit) |
| Molecular Weight: | Theoretical: 569 kDa. Actual: 120 kDa. |
| Purification: | Protein A purified |

Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCGBP) Polyclonal Antibody, Unconjugated (TMAB-00665) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCGBP) Polyclonal Antibody, Unconjugated (TMAB-00665) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (rat intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCGBP) Polyclonal Antibody, Unconjugated (TMAB-00665) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
4. Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;
Incubation: Anti-FCGBP Polyclonal Antibody, Unconjugated (TMAB-00665) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
5. Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;
Incubation: Anti-FCGBP Polyclonal Antibody, Unconjugated (TMAB-00665) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCGBP) Polyclonal Antibody, Unconjugated (TMAB-00665) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded (mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCGBP) Polyclonal Antibody, Unconjugated (TMAB-00665) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
8. Positive sample: Paraformaldehyde-fixed, paraffin embedded (rat intestine);

Verified Activity:

Negative sample: Paraformaldehyde-fixed, paraffin embedded (rat lung);
Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCGBP) Polyclonal Antibody, Unconjugated (TMAB-00665) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

9. Sample:

Lane 1: Human A549 cell lysates

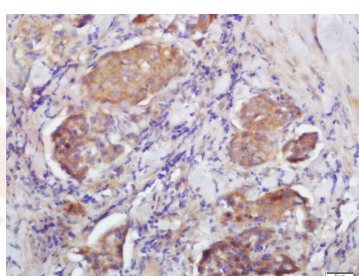
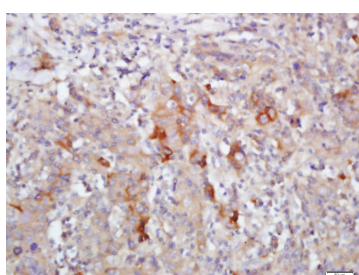
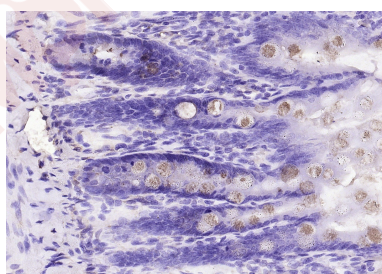
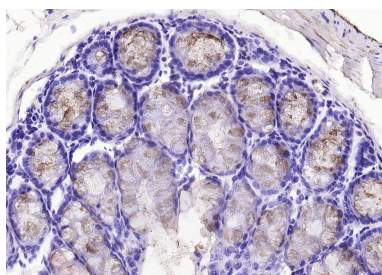
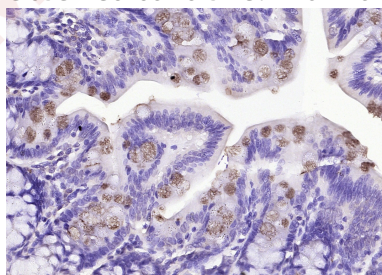
Lane 2: Human Jurkat cell lysates

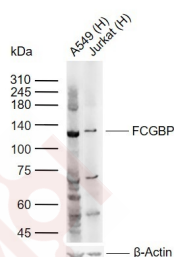
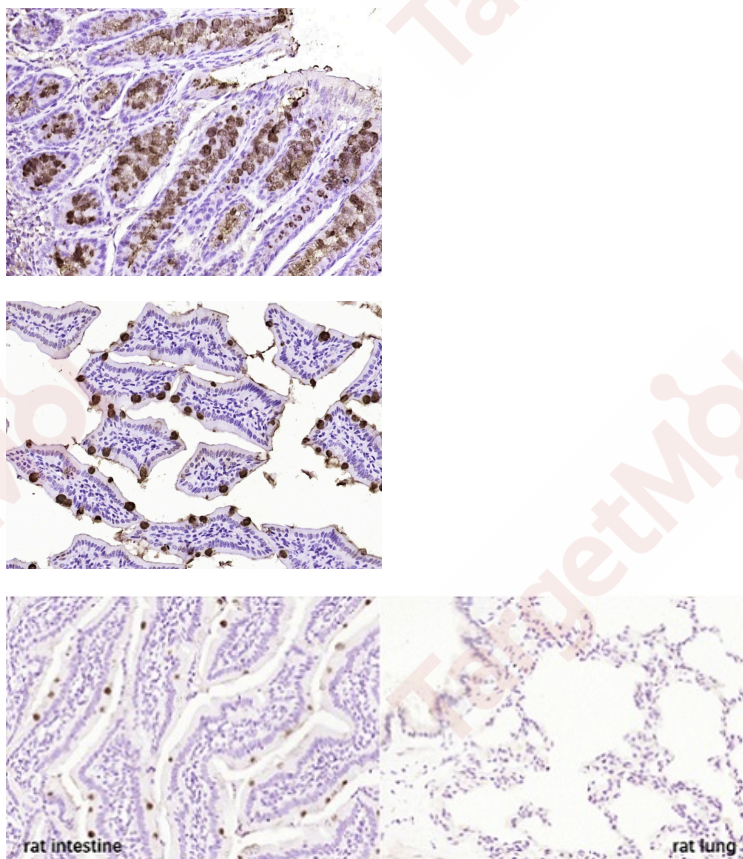
Primary: Anti-FCGBP (TMAB-00665) at 1/200 dilution

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

Predicted band size: 569 kDa

Observed band size: 120 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human FCGBP

Antigen Species: Human

Gene ID: 8857

Uniprot ID: Q9Y6R7

Synonyms: FcgammaBP;Fcgamma-binding protein antigen;FC(GAMMA)BP;Human Fc gamma BP;FCGBP;Fc fragment of IgG binding protein;IgGFc-binding protein

Biology Area: IgG,Receptors

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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