FGL2 Polyclonal antibody

Catalog Number: 11827-1-AP

Basic Information

Catalog Number: 11827-1-AP
Size: 150μL, Concentration: 180 μg/ml by Bradford method using BSA as the standard;
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG2395

GenBank Accession Number: BC017813
GeneID (NCBI): 10875

Full Name: fibrinogen-like 2
Calculated MW: 50 kDa
Observed MW: 70 kDa, 50-60 kDa

Purification Method: Antigen affinity purification
Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:20-1:200
IF: 1:10-1:100

Applications

Tested Applications: IF, IHC, WB, ELISA
Cited Applications: IF, IHC

Species Specificity: human, mouse, rat
Cited Species: human, mouse

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: human ileum tissue, mouse thymus tissue
IHC: human colon cancer tissue, IF: HepG2 cells

Background Information

FGL2 (fibrinogen like protein 2) is a 70 kDa glycoprotein that belongs to the fibrinogen-related superfamily of proteins which are involved in coagulation, cell adhesion, and transendothelial migration. FGL2 is an important immune regulator of both innate and adaptive response. It is present on the surface of macrophages and endothelial cells, and can be constitutively secreted by CD4+ CD8+ T cell. FGL2 forms a tetrameric complex which is stabilized by interchain disulfide bonds and it exerts immunosuppressive effects on both T cell proliferation and dendritic cell maturation. The protein may play a role in physiologic functions at mucosal sites.

Notable Publications

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<th>Author</th>
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<tr>
<td>Haijing Yu</td>
<td>28494352</td>
<td>Mol Immunol</td>
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<td>Franc Llorens</td>
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<td>Haijing Yu</td>
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Storage

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

Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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E: proteinatech@ptglab.com
W: ptglab.com

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human ileum tissue were subjected to SDS-PAGE followed by western blot with 11827-1-AP (FGL2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human colon cancer using 11827-1-AP (FGL2 antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human colon cancer using 11827-1-AP (FGL2 antibody) at dilution of 1:50 (under 40x lens).

Immunofluorescent analysis of HepG2 cells, using FGL2 antibody 11827-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).