

Anti-Fgf19(Fgf15) Antibody Picoband™

Catalog Number: PB10062

About Fgf19(Fgf15)

FGF15/19 refers to two orthologous fibroblast growth factors which share 50% amino acid identity and have similar functions. FGF15 was described in the mouse; FGF19 was found in humans and other species. They share physiological functions and so are often referred to as FGF15/19 or as FGF15/FGF19. They were first described in developing fetal brain. They are now known to be produced in the ileum, and under certain circumstances in the liver and biliary tree. It is thought their principal function is in response to bile acid absorption occurring after meals. FGF15 and FGF19 have similar roles in regulating bile acid synthesis and also glucose metabolism in the liver.

Overview

Product Name	Anti-Fgf19(Fgf15) Antibody Picoband™
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Fgf19(Fgf15) Antibody Picoband™ catalog # PB10062. Tested in IHC applications. This antibody reacts with Mouse, Rat.
Application	IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8VI81

Technical Details

Immunogen	E. coli-derived rat Fgf19(Fgf15) recombinant protein (Position: R26-K218). Rat Fgf19(Fgf15) shares 53.2% and 96.4% amino acid (aa) sequence identity with human and mouse FGF19, respectively.
Predicted Reactive Species	Bovine, Canine, Chicken, Hamster, Horse, Monkey, Rabbit, Zebrafish
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Mouse, Rat</p>

Anti-Fgf19(Fgf15) Antibody Picoband™ (PB10062) Images

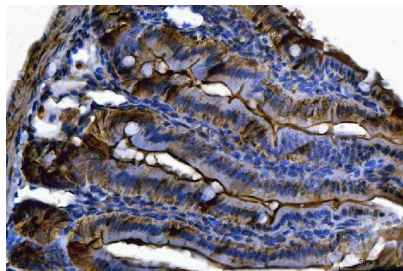


Figure 1. IHC analysis of Fgf19(Fgf15) using anti-Fgf19(Fgf15) antibody (PB10062). Fgf19(Fgf15) was detected in a paraffin-embedded section of mouse colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Fgf19(Fgf15) Antibody (PB10062) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

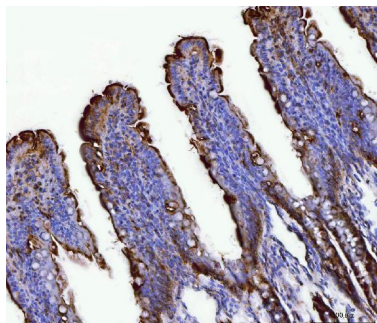


Figure 2. IHC analysis of Fgf19(Fgf15) using anti-Fgf19(Fgf15) antibody (PB10062). Fgf19(Fgf15) was detected in a paraffin-embedded section of rat colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Fgf19(Fgf15) Antibody (PB10062) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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