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Anti-TFF2 Picoband Antibody

Catalog # ABO13057

Product Information

Application	WB, IHC-P, E
Primary Accession	Tff2: Q03404
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for TFF2 detection. Tested with WB, IHC-P, Direct ELISA in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Application Details	Western blot, 0.1-0.5 □g/ml Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml Direct ELISA, 0.1-0.5 □g/ml
Subcellular Localization	Secreted.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived mouse TFF2 recombinant protein (Position: E24-Y129).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Background

Trefoil factor 2, also known as SP or SML1, is a protein that in humans is encoded by the TFF2 gene. This gene belongs to trefoil family, and members of the trefoil family may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene is mapped to 21q22.3. TFF2 gene consists of 4 exons spanning 5.1 kb, with exons 2 and 3 encoding 1 trefoil domain each, and it is the only gene encoding 2 TFF-domains on separate exons. It has been found that the distribution of TFF2 and pS2

suggests involvement in repair-enhancing mechanisms.

Images

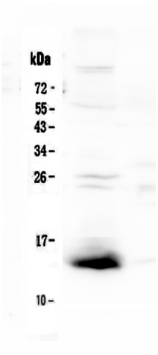

Figure 1. Western blot analysis of TFF2 using anti-TFF2 antibody (ABO13057). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse testis tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TFF2 antigen affinity purified polyclonal antibody (Catalog # ABO13057) at 0.5 ug/mL overnight at 4℃, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TFF2 at approximately 14KD. The expected band size for TFF2 is at 14KD.

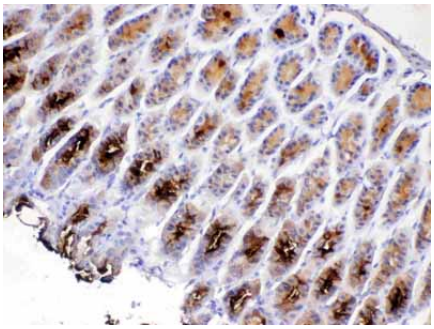

Figure 2. IHC analysis of TFF2 using anti-TFF2 antibody (ABO13057).TFF2 was detected in paraffin-embedded section of mouse gaster tissue . Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TFF2 Antibody (ABO13057) overnight at 4℃. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37℃. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

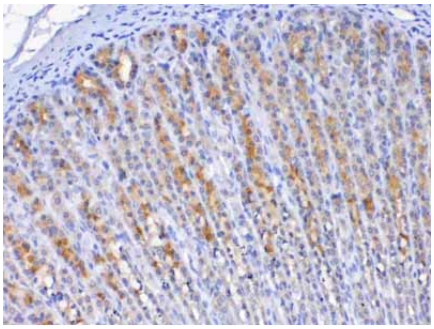

Figure 3. IHC analysis of TFF2 using anti-TFF2 antibody (ABO13057).TFF2 was detected in paraffin-embedded section of rat gaster tissue . Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TFF2 Antibody (ABO13057) overnight at 4℃. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37℃. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.