

GPR177 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55975

Specification

GPR177 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q5T9L3</u>

Reactivity
Host
Clonality
Rat, Pig, Dog, Bovine
Rabbit
Rollyclonal

Clonality Polyclonal Calculated MW 62 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human GPR177

Epitope Specificity 351-450/541

Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Golgi apparatus membrane; Multi-pass

membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein.

SIMILARITY Belongs to the wntless family.

SUBUNIT Interacts with WNT3A. Interacts with

WNT1, WNT3 and WNT5A (By similarity).

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

GPR177 Polyclonal Antibody - Additional Information

Gene ID 79971

Other Names

Protein wntless homolog, Integral membrane protein GPR177, Protein evenness interrupted homolog, EVI, Putative NF-kappa-B-activating protein 373, WLS, Clorf139, GPR177

Dilution

WB~~1:1000<br \><span class</pre>

="dilution_IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \><span class

="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A

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.



GPR177 Polyclonal Antibody - Protein Information

Name WLS

Synonyms Clorf139, GPR177

Function

Regulates Wnt proteins sorting and secretion in a feedback regulatory mechanism. This reciprocal interaction plays a key role in the regulation of expression, subcellular location, binding and organelle-specific association of Wnt proteins (PubMed:34587386). Plays also an important role in establishment of the anterior-posterior body axis formation during development (By similarity).

Cellular Location

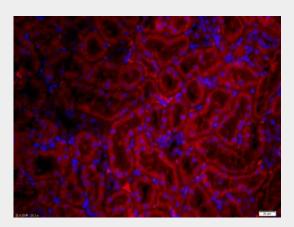
Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Early endosome membrane; Multi-pass membrane protein. Note=Co-localizes with the adaptin AP2A2 at distinct punctae.

GPR177 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

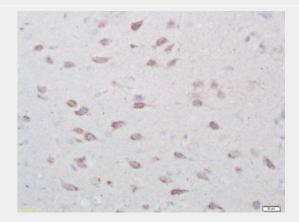
GPR177 Polyclonal Antibody - Images



Tissue/cell: rat kidney tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37n for 20 min;



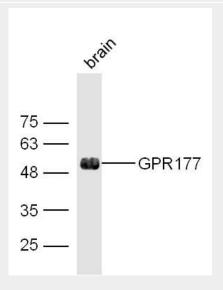
Incubation: Anti-GPR177 Polyclonal Antibody, Unconjugated(bs-15388R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GPR177 Polyclonal Antibody, Unconjugated(bs-15388R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample: Brain (Mouse) Lysate at 40 ug

Primary: Anti-GPR177(bs-10196R) at 1/300 dilution

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

Predicted band size: 62 kD Observed band size: 51 kD