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GPR177 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55975

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q5T9L3
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62253
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR177
Epitope Specificity	351-450/541
Isotype	IgG
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.

Additional Information

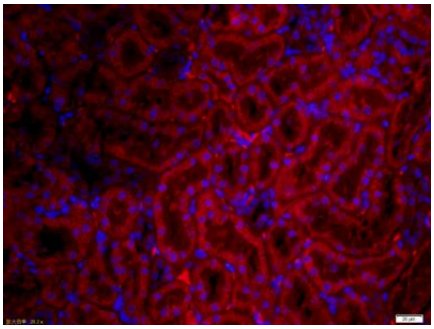
Gene ID	79971
Other Names	Protein wntless homolog, Integral membrane protein GPR177, Protein evenness interrupted homolog, EVI, Putative NF-kappa-B-activating protein 373, WLS, C1orf139, GPR177
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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.

Protein Information

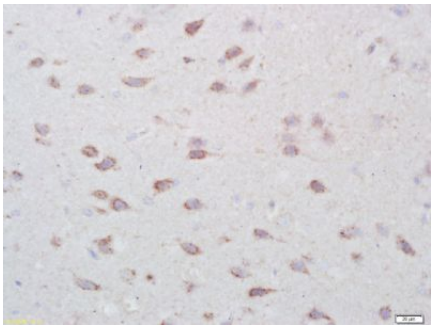
Name	WLS

Synonyms	C1orf139, 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.

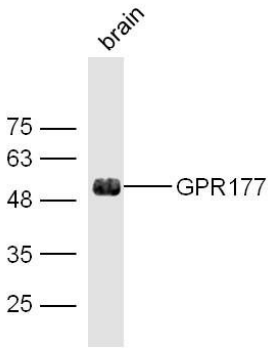
Images



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 37∩ for 20 min;
Incubation: Anti-GPR177 Polyclonal Antibody, Unconjugated(AP55975) 1:200, overnight at 4℃; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37℃. 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℃ for 20 min;
Incubation: Anti-GPR177 Polyclonal Antibody, Unconjugated(AP55975) 1:500, overnight at 4℃, 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