Data Sheet (Cat.No.TMAB-06911)

Anti-HCFC1R1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 15 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HCFC1R1) Polyclonal Antibody, Unconjugated (TMAB-06911) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining. 2. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HCFC1R1) Polyclonal Antibody, Unconjugated (TMAB-06911) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human HCFC1R1
Antigen Species:	Human
Gene ID:	54985
Uniprot ID:	Q9NWW0

Research Background

PSTPIP1 is a 416 amino acid protein that localizes to both the cytoplasm and the cytoskeleton and contains one SH3 domain and one FCH domain. Expressed at high levels in T cells and spleen and present at lower levels in thymus, lung, placenta and small intestine, PSTPIP1 interacts with CD2AP, BDP1 and c-Abl and is involved in the regulation of the Actin cytoskeleton, possibly functioning as a scaffold protein that may promote Actin polymerization. Defects in the gene encoding PSTPIP1 are the cause of PAPA syndrome (PAPAS), an autosomal dominant disease characterized by recurring inflammatory episodes that affect skin and joint tissue. Multiple isoforms of PSTPIP1 exist due to alternative splicing events.

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