

GIGYF1 Rabbit pAb

Catalog # AP97469

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O75420
Other Accession	O75420
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114601
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GIGYF1
Epitope Specificity	31-130/1035
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the PERQ family. Contains 1 GYF domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PERQ1 is a 1,035 amino acid phosphoprotein that contains one GYF domain and belongs to the PERQ family. Ubiquitously expressed, PERQ1 exhibits highest expression in brain and lung, followed by heart, spleen and kidney. PERQ1 contains a GYF domain in its N-terminal half and a clathrin light chain homology domain in its C-terminal half. PERQ1 interacts with GRB10, with transient binding increased under IGF-I stimulation, thereby leading to recruitment of the PERQ1/GRB10 complex to the IGF-I receptor. PERQ1 may also increase IRS-1, Shc and IGF-I receptor phosphorylation during IGF-I stimulation, and may act cooperatively with GRB10 to regulate tyrosine kinase receptor signaling.

Additional Information

Gene ID	64599
Other Names	GYF1; PERQ1; GGYF1_HUMAN; GIGYF1; PERQ amino acid-rich with GYF domain-containing protein 1; CDS2; GRB10 interacting GYF protein 1; PERQ amino acid rich, with GYF domain 1; GYF domain containing 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	GIGYF1
Synonyms	CDS2, PERQ1
Function	May act cooperatively with GRB10 to regulate tyrosine kinase receptor signaling. May increase IGF1 receptor phosphorylation under IGF1 stimulation as well as phosphorylation of IRS1 and SHC1 (By similarity).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.