TBC1D4 Polyclonal Antibody

Catalog Number:E20-74560

Amount:100ul

Applications:IHC-p,IF,ELISA

Reactivity: Human,Mouse

Gene Name:TBC1D4

Protein Name:TBC1 domain family member 4

Human Gene Id:9882

Human Swiss Prot No:O60343

Mouse Gene Id:210789

Mouse Swiss Prot No:Q8BYJ6

Immunogen: The antiserum was produced against synthesized peptide derived from human AS160. AA range:611-660

Specificity:TBC1D4 Polyclonal Antibody detects endogenous levels of TBC1D4 protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Rabbit

Dilution: Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Storage Stability:-20°C/1 year

Other Names:TBC1D4; AS160; KIAA0603; TBC1 domain family member 4; Akt substrate of 160 kDa; AS160

Molecular Weight (Da):146563

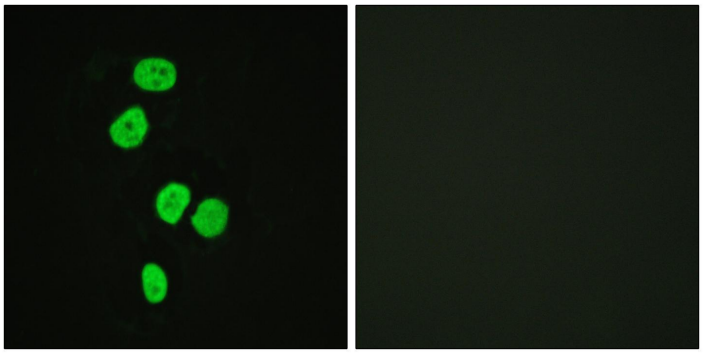
Background:TBC1 domain family member 4(TBC1D4) Homo sapiens This gene is a member of the Tre-2/BUB2/CDC16 domain family. The protein encoded by this gene is a Rab-GTPase-activating protein, and contains two phopshotyrosine-binding domains (PTB1 and PTB2), a calmodulin-binding domain

(CBD), a Rab-GTPase domain, and multiple AKT phosphomotifs.

Function:disease:May be involved in atopic dermatitis (AD).,function:May act as a GTPase-activating protein for RAB2A, RAB8A, RAB10 and RAB14. Isoform 2 promotes insulin-induced glucose transporter SLC2A4/GLUT4 translocation at the plasma membrane, thus increasing glucose uptake.

Subcellular Location:intracellular,cytoplasm,endomembrane system,cytoplasmic vesicle membrane, extracellular exosome.

Expression: Brain,Epithelium,Fetal liver,Placenta,Testis,Trachea.



Immunofluorescence analysis of HeLa cells using AS160 Antibody. The picture on the right is blocked with the synthesized peptide.