

Product Name: PRAS40 Rabbit Monoclonal Antibody**Catalog #: AMRe03162**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.3mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IP 1:20-1:50
Molecular Weight	Calculated MW: 27 kDa; Observed MW: 40 kDa

Antigen Information

Gene Name	AKT1S1
Alternative Names	AKT1S1; PRAS40; Proline-rich AKT1 substrate 1; 40 kDa proline-rich AKT substrate
Gene ID	84335
SwissProt ID	Q96B36
Immunogen	A synthetic peptide of human PRAS40

Background

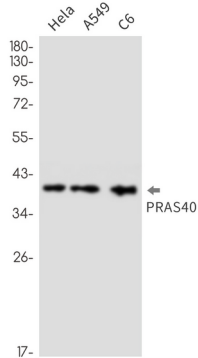
PRAS40 interacts with Raptor in mTOR complex 1 (mTORC1) in insulin-deprived cells and inhibits the activation of the mTORC1 pathway mediated by the cell cycle protein Rheb. Phosphorylation of PRAS40 by Akt at Thr246 relieves PRAS40 inhibition of

mTORC1. mTORC1 in turn phosphorylates PRAS40 at Ser183.

Research Area

Cell Biology

Image Data



Western blot analysis of PRAS40 in HeLa, A549, C6 lysates using PRAS40 antibody.