

Product Datasheet

PRAS40 Antibody



Catalog No: CY6904

Reactivity: Human Mouse

Isotype: Rabbit IgG

Applications: WB IHC IP FC

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Information

UniProt ID: Q96B36

All Names: 40 kDa proline rich AKT substrate; AKT1 S1; AKT1 substrate 1 (proline rich); AKT1S1; Lobe; PRAS40; Proline rich akt substrate;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 40 kDa

Application

WB 1:500~1:2000

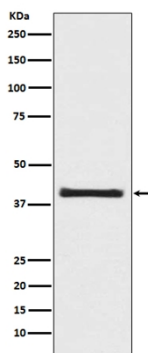
IHC 1:50~1:200

IP 1:50

FC 1:50

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.



Western blot analysis of PRAS40 expression in 293T cell lysate.

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