

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

PRAS40 RABBIT MAB

Cat.#: N263506

Product Name: Anti-PRAS40 Rabbit Monoclonal Antibody

Synonyms: AKT1S1; PRAS40; Proline-rich AKT1 substrate 1; 40 kDa proline-rich

AKT substrate

UNIPROTID: Q96B36

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.

Immunogen: A synthetic peptide of human PRAS40

Applications: WB,IP

Recommended Dilutions: WB: 1/500-1/1000 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R05-3A5

MW: Calculated MW: 27 kDa; Observed MW: 40 kDa

Isotype: IgG

Purification: Affinity Purified
Species Reactivity: Human,Rat
Conjugation: Unconjugated
Modification: Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

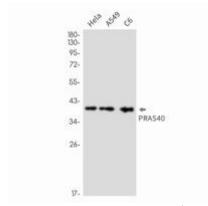
Research Areas: Cell Biology

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



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