

## Anti-PRAS40 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R011384

### Product Information

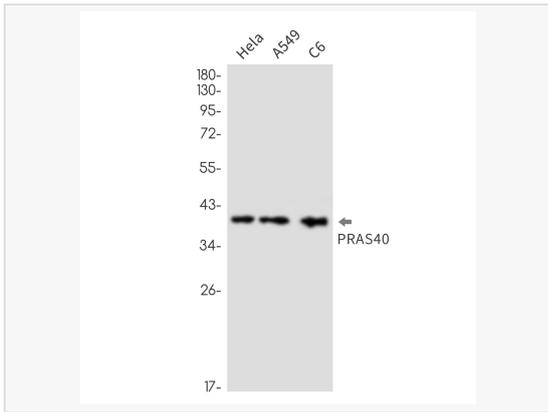
Application	WB, IP, ELISA
Reactivity	Human, Rat
Dilution	WB 1:500~1:1,000; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	50L63L80
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human PRAS40
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PRAS40 antibody [50L63L80] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	AKT1S1, PRAS40, Proline-rich AKT1 substrate 1, 40 kDa proline-rich AKT substrate.
Calculated MW	Calculated MW: 27 kDa; Observed MW: 40 kDa
Uniprot ID	Q96B36
Gene ID	84335
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.

## Validation Images

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