

## PRAS40 Conjugated Antibody

Catalog No: #C56183



Package Size: #C56183-AF350 100ul #C56183-AF405 100ul #C56183-AF488 100ul  
 #C56183-AF555 100ul #C56183-AF594 100ul #C56183-AF647 100ul  
 #C56183-AF680 100ul #C56183-AF750 100ul #C56183-Biotin 100ul

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## Description

Product Name	PRAS40 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Species Reactivity	Human Mouse
Specificity	PRAS40 Antibody detects endogenous levels of total PRAS40
Immunogen Description	A synthesized peptide derived from human PRAS40
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	40 kDa proline rich AKT substrate; AKT1 S1; AKT1 substrate 1 (proline rich); AKT1S1; Lobe; PRAS40; Proline rich akt substrate;
Accession No.	Uniprot:Q96B36
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Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	40kDa
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250  
 AF405 conjugated: most applications: 1: 50 - 1: 250  
 AF488 conjugated: most applications: 1: 50 - 1: 250  
 AF555 conjugated: most applications: 1: 50 - 1: 250  
 AF594 conjugated: most applications: 1: 50 - 1: 250  
 AF647 conjugated: most applications: 1: 50 - 1: 250  
 AF680 conjugated: most applications: 1: 50 - 1: 250  
 AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Product Description

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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.

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Note: This product is for in vitro research use only