

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 #C56183-Conjugated 50ul

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Description

| | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Product Name | PRAS40 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Isotype | Rabbit IgG |
| Purification | Affinity-chromatography |
| Applications | WB, IF, FC |
| 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 |
| Calculated MW | 40kDa |
| Storage | Store at 4°C in dark for 6 months |

Application Details

WB: 1:50-1:200

IF: 1:50-1:200

FC: 1:50-1:200

Product Description

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.