

Datasheet for ABIN6983171
anti-PRAS40 antibody (AA 161-256) (Cy3)



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Overview

Quantity:	100 µL
Target:	PRAS40 (AKT1S1)
Binding Specificity:	AA 161-256
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRAS40 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PRAS40
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	PRAS40 (AKT1S1)
Alternative Name:	PRAS40 (AKT1S1 Products)

Target Details

Background:	Synonyms: AKT1 substrate 1 (proline rich), AKT1 substrate 1, AKT1-S1, AKT1S-1, AKT1S 1, AKT1S1, Lobe, PRAS 40, PRAS-40, PRAS40, Proline rich akt substrate, 40 kDa proline rich AKT substrate, 40 kDa proline-rich AKT substrate, AKT1 S1, AKT1 substrate 1, AKTS1_HUMAN, MGC2865, PRAS40, Proline rich Akt substrate 40 kDa, Proline-rich AKT1 substrate 1. Background: Proline Rich Akt Substrate (PRAS40) is a 40 kDa substrate of Akt. Akt and PRAS40 can be found in the phosphoinositide 3 kinase (PI3K) pathway, which plays a role in glucose uptake, cell growth, and apoptosis inhibition. PRAS40 is a 14-3-3 binding protein that reacts with insulin, but whose precise function is not yet known. It may bind SH3 and WW domain containing proteins resulting in a change of function. Activated Akt phosphorylates PRAS40 on threonine 246. Mutation of PRAS40 threonine 246 has been shown to be apoptotic.
Gene ID:	84335
UniProt:	Q96B36
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Cell Size , Autophagy , BCR Signaling , Warburg Effect

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months