

Datasheet for ABIN6989135
anti-PRAS40 antibody (AA 161-256)



[Go to Product page](#)

Overview

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

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)
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Target Details

Alternative Name:	PRAS40 (AKT1S1 Products)
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:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months