

DEPDC5 (Phospho-Ser993) Antibody

Catalog No: #SAB640

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Description

Product Name	DEPDC5 (Phospho-Ser993) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	HM
Specificity	DEPDC5(Phospho-Ser993) Antibody detects endogenous levels of DEPDC5 only when phosphorylated at Ser993.
Immunogen Description	A synthesized peptide derived from human DEPDC5 around the phosphorylation site of Ser993.
Other Names	GATOR complex protein DEPDC5; DEP domain-containing protein 5; KIAA0645
Uniprot	O75140
GeneID	9681
SDS-PAGE MW	180kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

As a component of the GATOR1 complex functions as an inhibitor of the amino acid-sensing branch of the TORC1 pathway. The GATOR1 complex strongly increases GTP hydrolysis by RRAGA and RRAGB within RRAGC-containing heterodimers, thereby deactivating RRAGs, releasing mTORC1 from lysosomal surface and inhibiting mTORC1 signaling. The GATOR1 complex is negatively regulated by GATOR2 the other GATOR subcomplex in this amino acid-sensing branch of the TORC1 pathway.

Note: This product is for in vitro research use only