

Anti-PREB Rabbit Monoclonal Antibody

Catalog # ABO16435

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q9HCU5
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-PREB Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Additional Information

Gene ID	10113
Other Names	Guanine nucleotide-exchange factor SEC12, Prolactin regulatory element-binding protein, PREB {ECO:0000303 PubMed:10920239, ECO:0000312 HGNC:HGNC:9356}
Calculated MW	45468
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: 29P71 A synthesized peptide derived from human PREB
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	PREB {ECO:0000303 PubMed:10920239, ECO:0000312 HGNC:HGNC:9356}
Function	Guanine nucleotide exchange factor (GEF) that regulates the assembly of the coat protein complex II/COPII in endoplasmic reticulum (ER) to Golgi

vesicle-mediated transport. Selectively activates SAR1A and SAR1B by promoting the exchange of guanosine diphosphate (GDP) for guanosine triphosphate (GTP) in these small GTPases (PubMed:[32358066](#)). In their activated GTP-bound state, SAR1A and SAR1B insert into the membrane of the endoplasmic reticulum where they recruit the remainder of the coat protein complex II/COPII which is responsible for both the sorting of proteins and the deformation and budding of membranes into vesicles destined to the Golgi (PubMed:[32358066](#)).

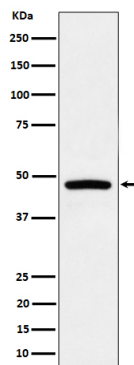
Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9WTV0}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q9WTV0}. Nucleus {ECO:0000250|UniProtKB:Q9WTV0} Note=Concentrates at endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER)

Tissue Location

Ubiquitous.

Images



Western blot analysis of PREB expression in Raji cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.