

Preb Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14223

Product Information

Application	WB
Primary Accession	Q9WUQ2
Other Accession	NM_016703 , NP_057912
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45437

Additional Information

Gene ID	50907
Alias Symbol	C85705
Other Names	Prolactin regulatory element-binding protein, Mammalian guanine nucleotide exchange factor mSec12, Preb, Sec12
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Preb antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Preb Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Preb {ECO:0000303 Ref.1, ECO:0000312 MGI:MGI:1355326}
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: 11422940). 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 (By similarity).

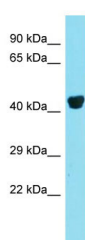
Cellular Location

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) {ECO:0000250|UniProtKB:Q9HCU5}

References

Edgar A.J.,et al.Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.
Taylor Clelland C.L.,et al.Genomics 63:391-399(2000).
Weissman J.T.,et al.Traffic 2:465-475(2001).
Sacksteder C.A.,et al.Biochemistry 45:8009-8022(2006).

Images



Host: Rabbit
Target Name: Preb
Sample Tissue: Mouse Liver lysates
Antibody Dilution: 1.0µg/ml

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