



Rabbit Anti-PREI3 antibody

SL12275R

Product Name:	PREI3
Chinese Name:	Phocein蛋白抗体
Alias:	Phocein; 2C4D; CGI 95; class II mMOB1; MGC12264; MOB family member 4, phocein; MOB like protein phocein; MOB1; mob1 homolog 3; MOB1, Mps One Binder kinase activator like 3; Mob3; MOB4; MOBKL3; MOBL3_HUMAN; mps one binder kinase activator like 3; Mps one binder kinase activator-like 3; Phocein Mob like protein; PHOCN; PREI3; Preimplantation protein 3; RCJMB04_1o21.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PREI3:101-200/225
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Phocein is a 225 amino acid protein encoded by the human gene MOBKL3. Phocein belongs to the MOB1/phocein family and is phosphorylated on serine residues. Phocein is a widely expressed, highly conserved intracellular protein. The sequence of Phocein

has limited homology to the sigma subunits from Clathrin adaptor complexes and contains an additional stretch bearing a putative SH3-binding domain. Phocein is usually associated with membranes but can be present in the cytosol, where it behaves as a protein complex. Phocein is the major partner of the striatin family members, which are scaffolding proteins involved in signaling and trafficking. Due to its association with Dynamin via direct interactions with nucleotide diphosphate kinase (NDPK) and Eps15, Phocein has been implicated in vesicular trafficking, acting in particular in the endocytic process.

Function:

May play a role in membrane trafficking, specifically in membrane budding reactions.

Subunit:

Binds STRN4. Interacts with DNM1 and EPS15 (By similarity). Interacts with nucleoside diphosphate kinase (By similarity). Binds STRN and STRN3. Part of a ternary complex containing MOB4/PHOCN, STRN and/or STRN3 and PPA2.

Subcellular Location:

Cytoplasm.

Post-translational modifications:

Phosphorylated on serine residues.

Similarity:

Belongs to the MOB1/phocein family.

SWISS:

Q9Y3A3

Gene ID:

25843

Database links:

[Entrez Gene: 25843](#) Human

[Entrez Gene: 19070](#) Mouse

[Entrez Gene: 613127](#) Pig

[Entrez Gene: 171050](#) Rat

[Entrez Gene: 429007](#) Chicken

[Entrez Gene: 781884](#) Cow

[Omim: 609361](#) Human

[SwissProt: Q5F495](#) Chicken

[SwissProt: Q9Y3A3](#) Human

[SwissProt: Q6PEB6](#) Mouse

[SwissProt: Q9QYW3](#) Rat

[Unigene: 633165](#) Human

[Unigene: 645458](#) Human

[Unigene: 291037](#) Mouse

[Unigene: 466240](#) Mouse

[Unigene: 12262](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.