

PSRC1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58693**Specification**

PSRC1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q6PGN9
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PSRC1
Epitope Specificity	101-200/363
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Note=Detected at the mitotic spindle and spindle poles. Diffusely distributed throughout the cell during interphase. Belongs to the PSRC1 family.
SIMILARITY	Interacts with APC2 (By similarity).
SUBUNIT	Interacts with KIF2A.
Post-translational modifications	Phosphorylated during mitosis.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a proline rich protein. Studies of the related mouse gene suggest that this gene is regulated by p53 and may participate in p53 mediated growth suppression. Alternatively spliced transcript variants encoding different isoforms have been described.

PSRC1 Polyclonal Antibody - Additional Information

Gene ID 84722

Other Names

Proline/serine-rich coiled-coil protein 1, PSRC1, DDA3

Target/Specificity

Widely expressed in adult and fetal tissues, with highest expression in the adult brain and fetal thymus. Not detected in adult skeletal muscle.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

PSRC1 Polyclonal Antibody - Protein Information

Name PSRC1

Synonyms DDA3

Function

Required for normal progression through mitosis. Required for normal congress of chromosomes at the metaphase plate, and for normal rate of chromosomal segregation during anaphase. Plays a role in the regulation of mitotic spindle dynamics. Increases the rate of turnover of microtubules on metaphase spindles, and contributes to the generation of normal tension across sister kinetochores. Recruits KIF2A and ANKRD53 to the mitotic spindle and spindle poles. May participate in p53/TP53-regulated growth suppression.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Note=Detected at the mitotic spindle and spindle poles. Diffusely distributed throughout the cell during interphase

Tissue Location

Widely expressed in adult and fetal tissues, with highest expression in the adult brain and fetal thymus. Not detected in adult skeletal muscle.

PSRC1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PSRC1 Polyclonal Antibody - Images