

PSRC1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58693

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q6PGN9
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38796
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.
SIMILARITY	Belongs to the PSRC1 family.
SUBUNIT	Interacts with APC2 (By similarity). 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.

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

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.

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