

Rat anti-Mouse PSF1 Monoclonal Antibody | anti-PSF1 antibody

PSF1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA17916	Rat	Mouse	Immunocytochemistry, Immunohistochemistry, Western Blot

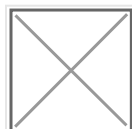
PRODUCT SYNONYMS

PSF1; Monoclonal Antibody; PSF1 antibody; Monoclonal PSF1; Anti-PSF1; Partner of Sld Five 1; PSF-1; GINS complex subunit 1; PSF1 homolog; PSF 1; anti-PSF1 antibody

PRODUCT SPECIFICATIONS

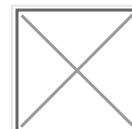
Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	aho57.2
Specificity	Human and Mouse PSF1
Form/Format	Supplied in liquid form, containing PBS and 0.09% NaN ₃ .
Sequence Length	202
Applicable Applications for anti-PSF1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	PSF1 is one of the members of the GINS complex (other members being PSF2, PSF3 and SLD5) which is vital in the generation of replication forks and replisome progression during DNA replication. The precise function of the GINS complex is not completely understood but it is thought to activate the MCM2-7 complex as well as interacting with certain DNA polymerases.
Cross-Reactivity	To be determined by the end user
Immunogen	PSF1 antibody was raised in rats which were immunized with murine PSF1. Rat spleen cells were isolated and fused with mouse melanoma in order to establish hybridoma cells.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Aliquot and store at -20 degree C. Avoid repeated freeze-thawing.

IMAGES



WB (Western Blot)

When PSF1 gene was deleted by RNAi, no immunoblot was detected by this mAb, suggesting specificity of this mAb for PSF1

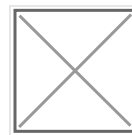


Application Data

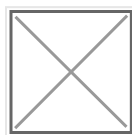
CSCs in human esophageal cancer. CSCs (purple) were observed in the vascular (red) niche.



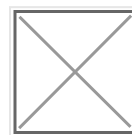
IHC (Immunohistochemistry)
Sperm stem cells in testis



ICC (Immunocytochemistry)
Cell cycle analysis using HeLa cells



IHC (Immunohistochemistry)
Hematopoietic stem cells in vascular niche



Analysis of Cancer stem cells (CSCs)
CSCs in mouse cancer. CSCs (brown) were observed in the vascular (red) niche.

ADDITIONAL INFORMATION

Related Product Information for anti-PSF1 antibody	Rat monoclonal PSF1 antibody
Product Categories/Family for anti-PSF1 antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	24655047
NCBI GeneID	38136
NCBI Accession #	NP_612086.1
NCBI GenBank Nucleotide #	NM_138242.2
UniProt Accession #	Q9W0I7
Molecular Weight	23,302 Da
NCBI Official Full Name	Psfl
NCBI Official Symbol	Psfl
NCBI Official Synonym Symbols	CG9187; CG9187-PA; DmelCG9187; psf1
NCBI Protein Information	CG9187 gene product from transcript CG9187-RA
UniProt Protein Name	IP07275p
UniProt Gene Name	Psfl
UniProt Entry Name	Q9W0I7_DROME

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/psf1-antibody-clone-aho57-2-immunocytochemistry-immunohistochemistry-western-blot-elisa/17916>