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Rabbit Anti-PSPC1 antibody

SL7480R

Product Name:	PSPC1
Chinese Name:	PSPC1蛋白抗体
Alias:	Paraspeckle component 1; Paraspeckle protein 1; PSP1; Pspc1; PSPC1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,
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:	59kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PSPC1:21-120/523
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:	This gene encodes a nucleolar protein that localizes to punctate subnuclear structures that occur close to splicing speckles, known as paraspeckles. These paraspeckles are composed of RNA-protein structures that include a non-coding RNA, NEAT1/Men epsilon/beta, and the Drosophila Behavior Human Splicing family of proteins, which include the product of this gene and the P54NRB/NONO and PSF/SFPQ proteins. Paraspeckles may function in the control of gene expression via an RNA nuclear retention mechanism. The protein encoded by this gene is found in paraspeckles in

transcriptionally active cells, but it localizes to unique cap structures at the nucleolar periphery when RNA polymerase II transcription is inhibited, or during telophase. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene, which is also located on chromosome 13, has been identified. [provided by RefSeq, Aug 2011]

Function:
Regulates, cooperatively with NONO and SFPQ, androgen receptor-mediated gene transcription activity in Sertoli cell line. Binds to poly(A), poly(G) and poly(U) RNA homopolymers.

Subcellular Location:
Nucleus > nucleolus. Nucleus matrix. Cytoplasm. In punctate subnuclear structures often located adjacent to splicing speckles, called paraspeckles. Colocalizes with NONO and SFPQ in paraspeckles and perinucleolar caps in a RNA-dependent manner. May cycles between paraspeckles and nucleolus. In telophase, when daughter nuclei form, localizes to perinucleolar caps.

Tissue Specificity:
Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.

Post-translational modifications:
Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:
Belongs to the PSPC family.
Contains 2 RRM (RNA recognition motif) domains.

SWISS:
Q8WXF1

Gene ID:
55269

Database links:

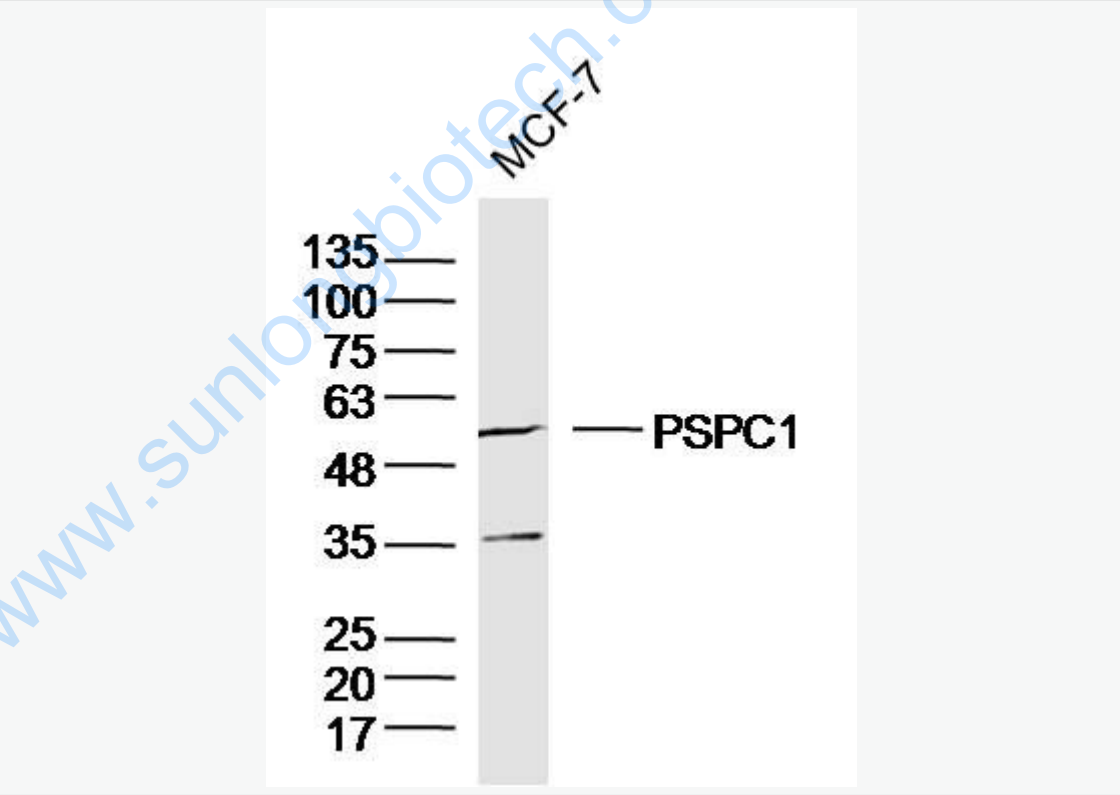
Entrez Gene: 55269 Human

Entrez Gene: 66645 Mouse

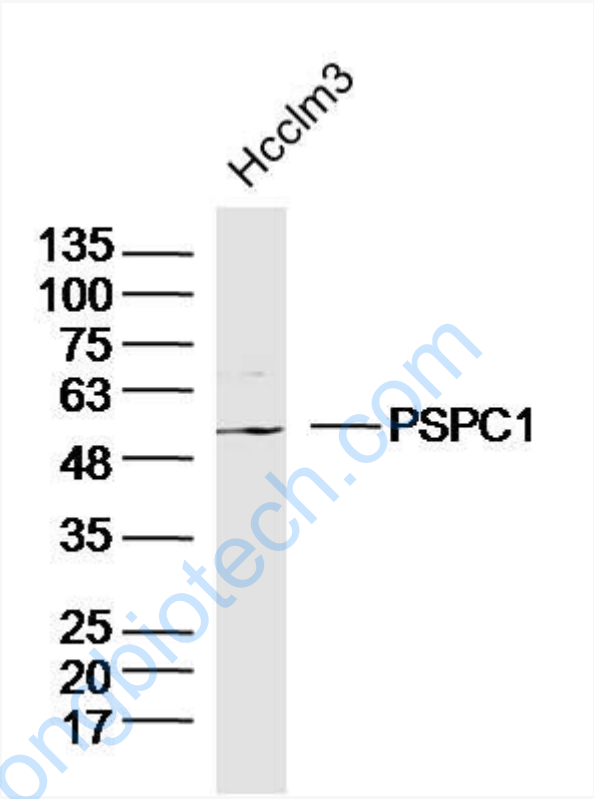
Entrez Gene: 305910 Rat

SwissProt: Q1LZD9 Cow

SwissProt: Q8WXF1 Human

	SwissProt: Q8R326 Mouse SwissProt: Q4KLH4 Rat Unigene: 213198 Human Unigene: 20129 Mouse Unigene: 140724 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample:MCF-7 Cell (Human) Lysate at 30 ug Primary: Anti-PSPC1 (SL7480R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59kD

Observed band size: 55kD



Sample:Hcclm3 Cell (Human) Lysate at 30 ug

Primary: Anti-PSPC1 (SL7480R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59kD

Observed band size: 55kD