



Rabbit Anti-FAM48A antibody

SL13720R

Product Name:	FAM48A
Chinese Name:	P38相互作用蛋白抗体
Alias:	SP20H_HUMAN; Transcription factor SPT20 homolog; p38-interacting protein; p38IP.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	ELISA=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:	86kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FAM48A:21-120/779
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:	FAM48A is a 779 amino acid protein that interacts with p38 MAP kinase. Specifically, FAM48A and p38 are required for downregulation of E-cadherin during gastrulation. In adult tissues, FAM48A is highly expressed in testis and moderately expressed in brain and pituitary gland. It is also expressed in several fetal tissues, including lung, brain, thymus and kidney. Expression of FAM48A has been shown to be downregulated in malignant prostate tissues. The gene encoding FAM48A maps to human chromosome

13, which houses over 400 genes and comprises approximately 4% of the human genome. Key tumor suppressor genes on chromosome 13 include the breast cancer susceptibility gene, BRCA2, and the RB1 (retinoblastoma) gene.

Function:

Required for MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14) activation during gastrulation. Required for down-regulation of E-cadherin during gastrulation by regulating E-cadherin protein level downstream from NCK-interacting kinase (NIK) and independently of the regulation of transcription by Fgf signaling and Snail (By similarity). Required for starvation-induced ATG9A trafficking during autophagy.

Subcellular Location:

Nucleus.

Tissue Specificity:

Highly expressed in testis, moderately in brain and pituitary gland. Expressed in several fetal tissues, including lung, brain, thymus and kidney. Expression is down-regulated in malignant prostate tissues.

Similarity:

Belongs to the FAM48 family.

SWISS:

Q8NEM7

Gene ID:

55578

Database links:

[Entrez Gene: 55578](#) Human

[Entrez Gene: 534126](#) Cow

[Entrez Gene: 56790](#) Mouse

[Entrez Gene: 361946](#) Rat

[Omim: 613417](#) Human

[SwissProt: Q8NEM7](#) Human

[SwissProt: Q7TT00](#) Mouse

[SwissProt: Q66HC7](#) Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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