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Datasheet for ABIN2174048

anti-FAM48A/P38IP antibody (AA 21-120) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	FAM48A/P38IP (SUPT20H)
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAM48A/P38IP antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FAM48A
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow
Purification:	Purified by Protein A.

Target Details

Target:	FAM48A/P38IP (SUPT20H)
Alternative Name:	Fam48a (SUPT20H Products)
Background:	Synonyms: FAM48A is a 779 amino acid protein that interacts with p38 MAP kinase.

Target Details

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.

Background: 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.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months