Datasheet for ABIN872334

anti-CCDC80 antibody (AA 201-300)

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Overview

Quantity:	100 µL
Target:	CCDC80 (CCD80)
Binding Specificity:	AA 201-300
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCDC80 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CCDC80
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CCDC80 (CCD80)

Target Details

Alternative Name:	CCDC80 (CCD80 Products)
Background:	Synonyms: DRO1, okuribin, SSG1, steroid sensitive gene 1, steroid sensitive protein 1, CCD50, CCD80_HUMAN, CCDC80, CL2, Coiled coil domain containing 80, Coiled coil domain containing protein 50, Coiled-coil domain-containing protein 80, Down regulated by oncogenes protein 1, Down-regulated by oncogenes protein 1, Nuclear envelope protein okuribin, Protein Ymer, Up-regulated in BRS-3 deficient mouse homolog, URB. Background: Promotes cell adhesion and matrix assembly.Tissue specificity: Expressed in dermal papilla and dermal fibroblasts (at protein level). Expressed in heart, thymus, placenta, pancreas, colon, epithelium, spleen and osteoblasts.
Gene ID:	151887

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

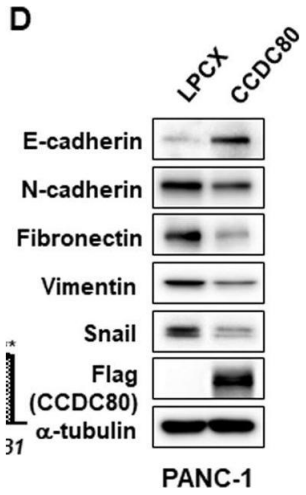
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

Hong, Park, Ooshima, Hong, Park, Heo, Lee, An, Kang, Park, Park, Kim: "Inhibition of TGF-β signalling in combination with nal-IRI plus 5-Fluorouracil/Leucovorin suppresses invasion and prolongs survival in pancreatic tumour mouse models." in: **Scientific reports**, Vol. 10, Issue 1, pp. 2935, (2020) (PubMed).

Images



Western Blotting

Image 1. Ectopic expression of CCDC80 reducing migration, colony formation, and EMT in pancreatic cancer cells. (A) Transwell migration assay measuring migration abilities of PANC-1 and Panc02 cells expressing LPCX or CCDC80. (B) Representative images of colonies stained with methylene blue in PANC-1 and Panc02 cells stably expressing CCDC80. (C) qRT-PCR results showing down-regulation of EMT marker expression in PANC-1 and Panc02 cells by ectopic expression of CCDC80. All the data is represented as the mean of three repeated values. ***P<0.0005, **P<0.005, and *P<0.05 compared to the control. (D) Western blot analysis showing reduction of EMT markers in PANC-1 and Panc02 with stably expressing CCDC80. The blots are cropped, and the original blots are presented in Supplementary Fig. 8. Note that overexpression of CCDC80 decreases EMT marker expression in pancreatic cancer cells. - figure provided by CiteAb. Source: PMID32076068