For research purposes only, not for human use

Product Data Sheet

Anti-CCDC109A Antibody

Catalog #	Source	Reactivity	Applications
CPA6154	Rabbit	H, M, R	WB, IH

Description	Rabbit polyclonal antibody to CCDC109A
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CCDC109A. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CCDC109A protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/200)
Gene Symbol	MCU
Alternative Names	C10orf42; CCDC109A; Calcium uniporter protein mitochondrial; Coiled-coil domain-containing protein 109A
Entrez Gene	90550 (Human); 215999 (Mouse)
SwissProt	Q8NE86 (Human); Q3UMR5 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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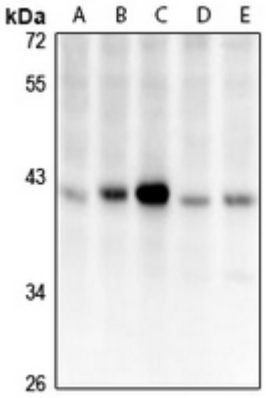
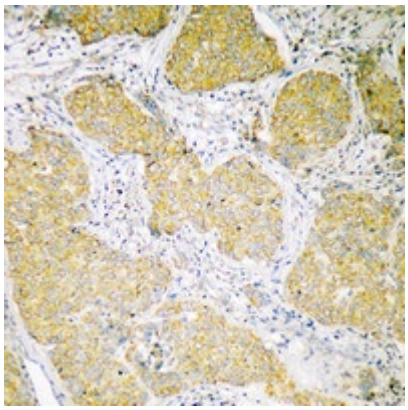


Western blot analysis of CCDC109A expression in BV2 (A), PC12 (B), HCT116 (C), HEK293T (D), Panc1 (E) whole cell lysates. (Predicted band size: 40; 37; 35 kD; Observed band size: 40 kD)



Immunohistochemical analysis of CCDC109A staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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