

Anti-MRPS36 Antibody

Catalog # AP61219

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P82909
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11466

Additional Information

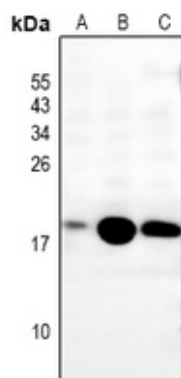
Gene ID	92259
Other Names	28S ribosomal protein S36 mitochondrial; MRP-S36; S36mt
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MRPS36. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

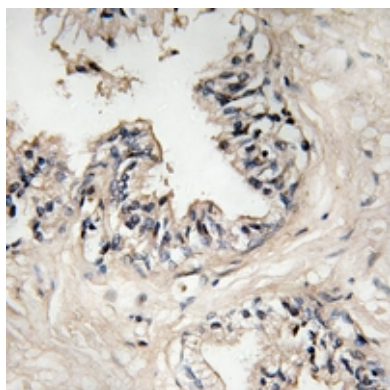
Name	KGD4 (HGNC:16631)
Synonyms	MRPS36
Function	Molecular adapter that is necessary to form a stable 2- oxoglutarate dehydrogenase enzyme complex (OGDHC). Enables the specific recruitment of E3 subunit to E2 subunit in the 2-oxoglutarate dehydrogenase complex (OGDHC).
Cellular Location	Mitochondrion {ECO:0000250 UniProtKB:P82908}.

Images

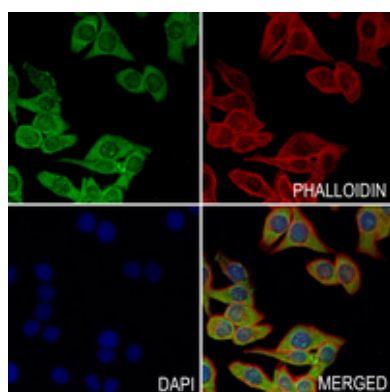
Western blot analysis of MRPS36 expression in rat brain



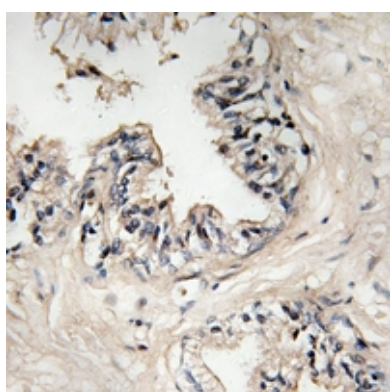
(A), mouse kidney (B), rat kidney (C) whole cell lysates.
(Predicted band size: 11 kD; Observed band size: 17 kD)



Immunohistochemical analysis of MRPS36 staining in human prostate 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.



Immunofluorescent analysis of MRPS36 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.