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Anti-RSAD1 Antibody

Catalog # AP53371

Product Information

Application	WB, IHC
Primary Accession	Q9HA92
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48714

Additional Information

Gene ID	55316
Other Names	Radical S-adenosyl methionine domain-containing protein 1 mitochondrial; Oxygen-independent coproporphyrinogen-III oxidase-like protein RSAD1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RSAD1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
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

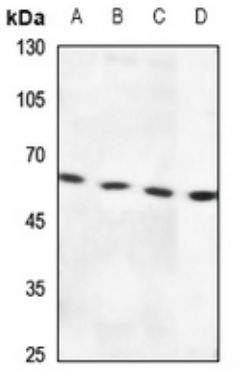
Protein Information

Name	RSAD1
Function	May be a heme chaperone, appears to bind heme. Homologous bacterial proteins do not have oxygen-independent coproporphyrinogen- III oxidase activity (Probable). Binds 1 [4Fe-4S] cluster. The cluster is coordinated with 3 cysteines and an exchangeable S-adenosyl-L- methionine (By similarity).
Cellular Location	Mitochondrion.

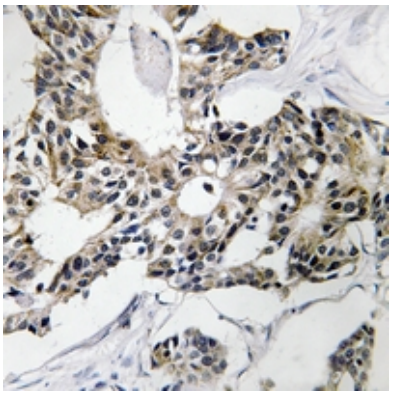
References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Zody M.C.,et al.Nature 440:1045-1049(2006).

Images



Western blot analysis of RSAD1 expression in HEK293T (A), Hela (B), H1688 (C), rat liver (D) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 52 kD)



Immunohistochemical analysis of RSAD1 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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