

Product datasheet for **TA307962**

FH Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:1000-1:10000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 89 and 365 of Fumarate hydratase (Uniprot ID#P07954)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	fumarate hydratase
Database Link:	NP_000134 Entrez Gene 2271 Human P07954
Background:	The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in both a cytosolic form and an N-terminal extended form, differing only in the translation start site used. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension generates the same form as in the cytoplasm. It is similar to some thermostable class II fumarases and functions as a homotetramer. Mutations in this gene can cause fumarase deficiency and lead to progressive encephalopathy. [provided by RefSeq]
Synonyms:	FMRD; HLRCC; LRCC; MCL; MCUL1

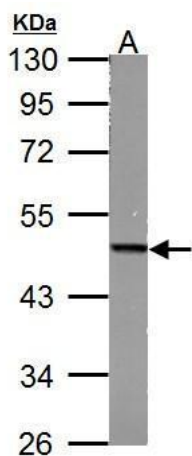


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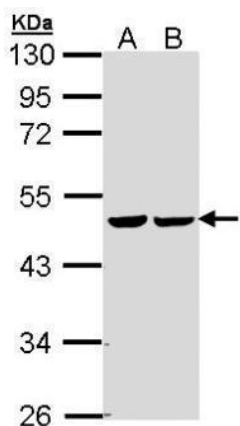
Protein Families: Druggable Genome

Protein Pathways: Citrate cycle (TCA cycle), Metabolic pathways, Pathways in cancer, Renal cell carcinoma

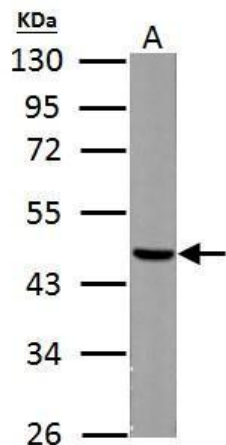
Product images:



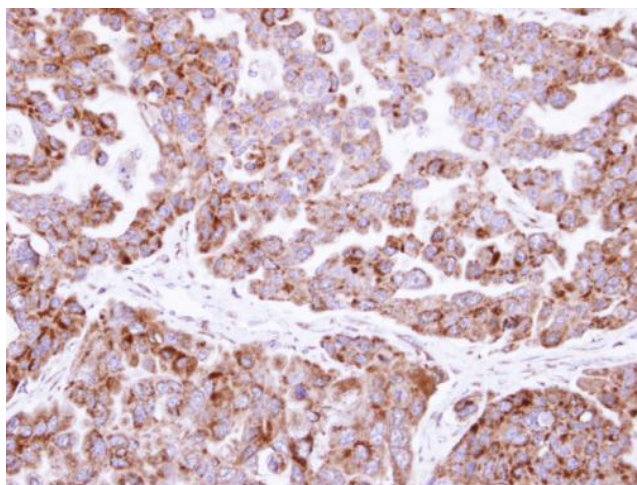
Fumarate hydratase antibody [N2C2], Internal detects FH protein by Western blot analysis. A. 50 ug mouse liver lysate/extract. 10% SDS-PAGE. Fumarate hydratase antibody [N2C2], Internal (TA307962) dilution: 1:1000.



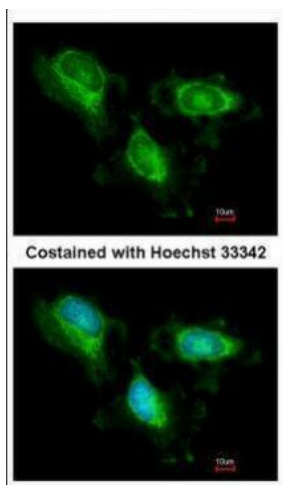
Sample (30 ug of whole cell lysate). A: 293T. B: A431. 10% SDS PAGE. TA307962 diluted at 1:5000



Fumarate hydratase antibody [N2C2], Internal detects Fumarate hydratase protein by Western blot analysis. A.50 ug rat liver lysate/extract. 10 % SDS-PAGE. Fumarate hydratase antibody [N2C2], Internal (TA307962) dilution: 1:5000



Immunohistochemical analysis of paraffin-embedded OVCAR3 xenograft, using fumarate hydratase (TA307962) antibody at 1:500 dilution.



Immunofluorescence analysis of methanol-fixed HeLa, using Fumarate hydratase (TA307962) antibody at 1:200 dilution.