

For Research Use Only

ECHS1 Recombinant antibody, PBS Only



Catalog Number: 81611-1-PBS

Basic Information

Catalog Number: 81611-1-PBS	GenBank Accession Number: BC008906	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1892	CloneNo.: 5G5
Source: Rabbit	UNIPROT ID: P30084	
Isotype: IgG	Full Name: enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	
Immunogen Catalog Number: AG1842	Calculated MW: 31 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

Background Information

Enoyl-coenzyme A hydratase (ECHS1) is a mitochondrial protein which catalyzes the hydration of 2-trans-enoyl-coenzyme A intermediates to L-3-hydroxyacyl-coenzyme A, playing a key role in metabolism of fatty acids in mitochondria. ECHS1 is highly expressed in muscle, liver and fibroblasts. Altered expression of ECHS1 has been considered a characteristic feature of mitochondria dysfunction. (23275097, 23235493)

Storage

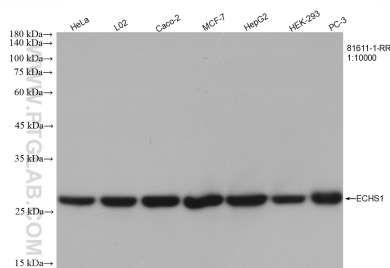
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

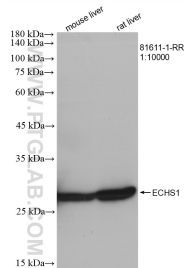
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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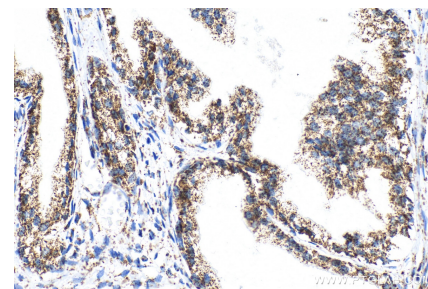
Selected Validation Data



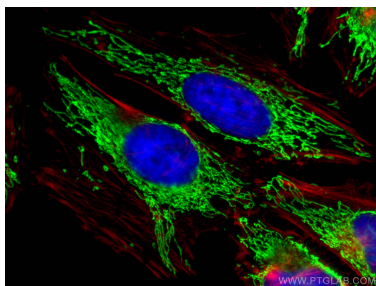
Various lysates were subjected to SDS PAGE followed by western blot with 81611-1-RR (ECHS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81611-1-PBS in a different storage buffer formulation.



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Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 81611-1-RR (ECHS1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81611-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ECHS1 antibody (81611-1-RR, Clone: 5G5) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 81611-1-PBS in a different storage buffer formulation.