For Research Use Only

SQLE Polyclonal antibody Catalog Number:12544-1-AP Featured Product

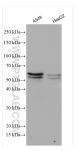




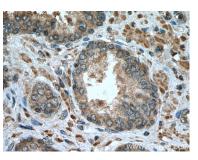
Basic Information	Catalog Number: 12544-1-AP	GenBank Accession N BC017033	lumber:	Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI): 6713 UNIPROT ID:		Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	150ul , Concentration: 1000 ug/ml by				
	Nanodrop;				
	Source: Rabbit	Q14534		IHC 1:50-1:500	
		Full Name:		IF/ICC 1:200-1:800	00
	Isotype: IgG Immunogen Catalog Number:	squalene epoxidase Calculated MW:			
		574 aa, 64 kDa			
	AG3266	Observed MW:			
		50-64 kDa			
Applications	Tested Applications:		Positive Controls:		
	WB, IHC, IF/ICC, IP, ELISA		WB : A549 cells, HepG2 cells		
	WB, IHC, IF, ChIP		IP : HepG2 cel	cells,	
			IHC : human p	man prostate cancer tissue, human breast	
	human, mouse, rat		cancer tissue		
	Cited Species:		IF/ICC : HepG	i2 cells, PC-3 cells	
	human, mouse, rat, hamster				
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ				
	retrieval may be performed w buffer pH 6.0				
Background Information		It h citrate A, belongs to the squalu- nesis, acting on squale enzyme beyond 3-hyco posttranslationally re back regulation via cho lomain. Truncation of S ome, which partially d	ne before cycliz droxy-3-methylg gulated by cholo clesterol-induced SQLE occurs durin legrades the SQI	ation into the basic steroid stru- glutaryl-coenzyme A reductase esterol-dependent proteasoma d degradation, which depends c ng its endoplasmic reticulum-a LE N-terminus and eliminates	cture. (HMGR l on its ssocia
	buffer pH 6.0 SQLE, also named as ERG1, SE and SM oxygenation step in cholesterol synth SQLE may serve as a flux-controlling considered as rate limiting). It is also degradation. SQLE is subject to feedb lipid-sensing N terminal regulatory d degradation and requires the proteas cholesterol-sensing elements within 28972164)	It h citrate A, belongs to the squalu- nesis, acting on squale enzyme beyond 3-hyco posttranslationally re back regulation via cho lomain. Truncation of S ome, which partially d	ne before cycliz droxy-3-methylg gulated by cholo clesterol-induced GQLE occurs duri legrades the SQI f SQLE is about 5	ation into the basic steroid stru- glutaryl-coenzyme A reductase esterol-dependent proteasoma d degradation, which depends c ng its endoplasmic reticulum-a LE N-terminus and eliminates	cture. (HMGR l on its ssociat
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in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com other manufacturer.

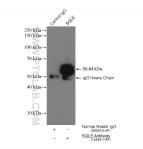
Selected Validation Data



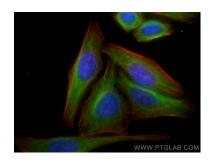
Various lysates were subjected to SDS PAGE followed by western blot with 12544-1-AP (SQLE antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



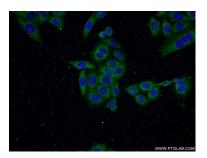
Immunohistochemical analysis of paraffinembedded human prostate cancer tissue slide using 12544-1-AP (SQLE antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SQLE (IP:12544-1-AP, 4ug; Detection:12544-1-AP 1:500) with HepG2 cells lysate 2240 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SQLE antibody (12544-1-AP) at dilution of 1:40 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of PC-3 cells using 12544-1-AP (SQLE antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).