For Research Use Only

TIMM44 Polyclonal antibody Catalog Number: 13859-1-AP Featured Product 26

Featured Product 26 Publications



Basic Information	Catalog Number: 13859-1-AP	GenBank Accession Number: BC033628		Purification Method: Antigen affinity purification	
	Concentration:			Recommended Dilutions: WB 1:1000-1:6000	
	800 µg/ml				
	Source:	UNIPROT ID:		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:250-1:1000	
	Rabbit	043615			
	Isotype: IgG Immunogen Catalog Number: AG4834	Full Name: translocase of inner mitochondrial membrane 44 homolog (yeast) Calculated MW: 452 aa, 51 kDa		IF/ICC 1:400-1:1600	
					Observed MW 45 kDa
		Applications	Tested Applications:	Positive Controls:	
			WB: HeLa cel	cells, Neuro-2a cells, C6 cells, Jurkat cells	
Cited Applications: IP : HeLa ce WB, IF, IP			IP : HeLa cell	s, mouse heart tissue	
Species Specificity:	IHC : human		liver tissue,		
human, mouse, rat	human, mouse, rat IF/ICC : HepG2 cells,				
Cited Species: human, mouse, rat					
TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0					
Background Information	buffer pH 6.0 Translocase of inner mitochondri family. TIMM44 is a mitochondri integrity and function of mitochon protein 70 to the translocase of th mitochondrial pre-protein impor mitochondria. TIMM44 silencing protein input arrest, ATP reduction	ial membrane 44 (Ti al protein located a Indria. In an ATP-de he mitochondrial in t into the mitochon disrupted mitochon an, ROS production, a D: 37147302, PMID:	t the inner mitochondr pendent manner, TIM ner membrane 23 (TIM Jrial matrix. TIMM44 is drial functions in endo and mitochondrial dep 38467612). The obsen	ial membrane, which is crucial for the 144 anchors mitochondrial heat shock	
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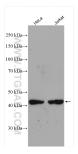
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For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com

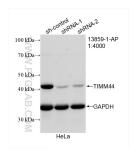
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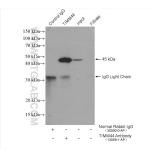
Selected Validation Data



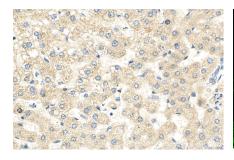
Various lysates were subjected to SDS PAGE followed by western blot with 13859-1-AP (TIMM44 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



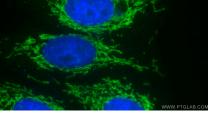
WB result of TIMM44 antibody (13859-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TIMM44 transfected HeLa cells.



IP result of anti-TIMM44 (IP:13859-1-AP, 4ug; Detection:13859-1-AP 1:1000) with HeLa cells lysate 1280 ug.



Immunohistochemical analysis of paraffinembedded human liver tissue slide using 13859-1-AP (TIMM44 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TIMM44 antibody (13859-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).