

TRAP230 rabbit pAb

Cat No.:ES8147

For research use only

Overview

Product Name	TRAP230 rabbit pAb	
Host species	Rabbit	
Applications	IHC;IF;WB;ELISA	
Species Cross-Reactivity	Human;Rat;Mouse;	
Recommended dilutions	WB 1:500-2000 Immunohistochemistry: 1/100 -	
	1/300. ELISA: 1/5000. Not yet tested in other	
	applications.	
Immunogen	The antiserum was produced against synthesized	
	peptide derived from human MED12. AA	
	range:611-660	
Specificity	TRAP230 Polyclonal Antibody detects endogenous	
	levels of TRAP230 protein.	
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and	
	0.02% sodium azide.	
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Protein Name	Mediator of RNA polymerase II transcription subunit	
	12	
Gene Name	MED12	
Cellular localization	Nucleus .	
Purification	The antibody was affinity-purified from rabbit	
	antiserum by affinity-chromatography using	
	epitope-specific immunogen.	
Clonality	Polyclonal	
Concentration	1 mg/ml	
Observed band		
Human Gene ID	9968	
Human Swiss-Prot Number	Q93074	
Alternative Names	MED12; ARC240; CAGH45; HOPA; KIAA0192;	
	TNRC11; TRAP230; Mediator of RNA polymerase II	
	transcription subunit 12; Activator-recruited	, IIIII
	cofactor 240 kDa component; ARC240; CAG repeat	
	protein 45; Mediator complex subunit 12;	
	OPA-containing prote	



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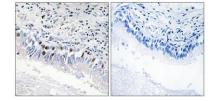
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Background

The initiation of transcription is controlled in part by a large protein assembly known as the preinitiation complex. A component of this preinitiation complex is a 1.2 MDa protein aggregate called Mediator. This Mediator component binds with a CDK8 subcomplex which contains the protein encoded by this gene, mediator complex subunit 12 (MED12), along with MED13, CDK8 kinase, and cyclin C. The CDK8 subcomplex modulates Mediator-polymerase II interactions and thereby regulates transcription initiation and reinitation rates. The MED12 protein is essential for activating CDK8 kinase. Defects in this gene cause X-linked Opitz-Kaveggia syndrome, also known as FG syndrome, and Lujan-Fryns syndrome. [provided by RefSeq, Aug 2009],

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using MED12 Antibody. The picture on the right is blocked with the synthesized peptide.





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