



# TRAP230 rabbit pAb

Cat No.:ES8147

For research use only

## Overview

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





## 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 reinitiation 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.

