

Rabbit MED12 Polyclonal Antibody | anti-MED12 antibody

MED12 Antibody

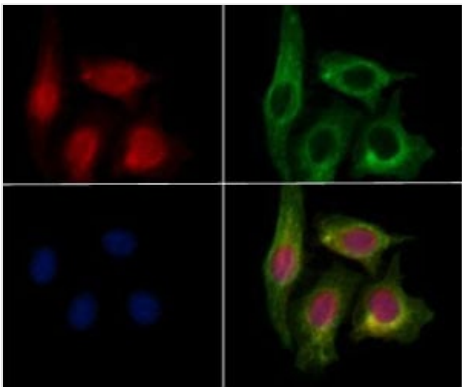
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328683	Rabbit	Human, Mouse, Rat	Western Blot

PRODUCT SYNONYMS

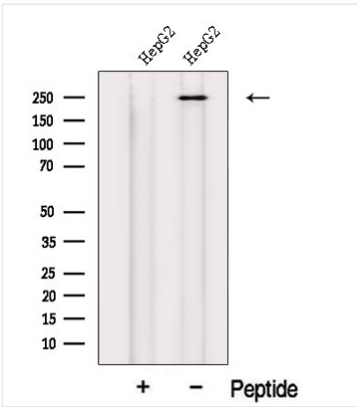
MED12; Polyclonal Antibody; MED12 Antibody; Activator recruited cofactor 240 kDa component; Activator-recruited cofactor 240 kDa component; ARC240; CAG repeat protein 45; CAGH45; HOPA; KIAA0192; MED12_HUMAN; Mediator complex subunit 12; Mediator of RNA polymerase II transcription subunit 12; OPA containing protein; OPA-containing protein; Thyroid hormone receptor associated protein complex 230 kDa component; Thyroid hormone receptor-associated protein complex 230 kDa component; TNRC11; Trap230; Trinucleotide repeat containing gene 11 protein; Trinucleotide repeat-containing gene 11 protein; anti-MED12 antibody

PRODUCT SPECIFICATIONS

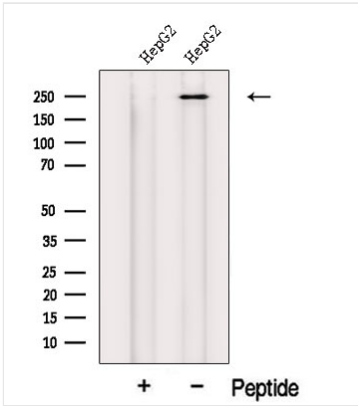
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MED12 Antibody detects endogenous levels of total MED12.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2177
Applicable Applications for anti-MED12 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human MED12.
Tissue Specificity	Ubiquitous.
Important	For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IF (Immunofluorescence)
AAA328683 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328683) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using MED12 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Myeloma cells, using MED12 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MED12 antibody

Description: Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. This subunit may specifically regulate transcription of targets of the Wnt signaling pathway and SHH signaling pathway.

Subunit Structure: Component of the Mediator complex, which is composed of MED1, MED4, MED6, MED7, MED8, MED9, MED10, MED11, MED12, MED13, MED13L, MED14, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED29, MED30, MED31, CCNC, CDK8 and CDC2L6/CDK11. The MED12, MED13, CCNC and CDK8 subunits form a distinct module termed the CDK8 module. Mediator containing the CDK8 module is less active than Mediator lacking this module in supporting transcriptional activation. Individual preparations of the Mediator complex lacking one or more distinct subunits have been variously termed ARC, CRSP, DRIP, PC2, SMCC and TRAP. Also interacts with CTNNB1 and GLI3.

Similarity: Belongs to the Mediator complex subunit 12 family.

NCBI AND UNIPROT INFORMATION

NCBI GI # 110347429

NCBI GeneID	9968
NCBI Accession #	NP_005111.2
NCBI GenBank Nucleotide #	NP_005111.2
UniProt Accession #	Q93074
Molecular Weight	243 kDa
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 12
NCBI Official Synonym Full Names	mediator complex subunit 12
NCBI Official Symbol	MED12
NCBI Official Synonym Symbols	OKS; FGS1; HOPA; OPA1; OHDOX; ARC240; CAGH45; MED12S; TNRC11; TRAP230
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 12
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 12
UniProt Gene Name	MED12
UniProt Synonym Gene Names	ARC240; CAGH45; HOPA; KIAA0192; TNRC11; TRAP230; ARC240; Trap230
UniProt Entry Name	MED12_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/med12-antibody-western-blot-elisa/328683>