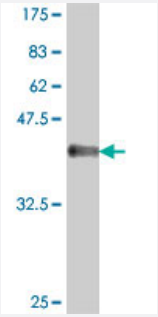
MED12 polyclonal antibody (A01)

Catalog # H00009968-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (38.54 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant MED12.
Immunogen	MED12 (NP_005111, 1829 a.a. ~ 1941 a.a) partial recombinant protein with GST tag.
Sequence	QPATKTEDYGMGPGRSGPYGVTVPPDLLHHPNPGSITHLNYRQGSIGLYTQNQPLPAGGPRVDPY RPVRLPMQKLPTRPTYPGVLPTTMTGVMGLEPSSYKTSVYRQQQPAVP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.54 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — MED12

Entrez GeneID	9968
GeneBank Accession#	NM_005120
Protein Accession#	NP_005111
Gene Name	MED12
Gene Alias	CAGH45, FGS1, HOPA, KIAA0192, OKS, OPA1, TNRC11, TRAP230
Gene Description	mediator complex subunit 12
Omim ID	300188
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	FG syndrome 1|OPA-containing protein|OTTHUMP00000023491|mediator of RNA polymerase II transcription, subunit 12 homolog|thyroid hormone receptor-associated protein, 230 kDa subunit|trinucleotide repeat containing 11 (THR-associated protein, 230 kDa subuni

Publication Reference

- TP-064, a potent and selective small molecule inhibitor of PRMT4 for multiple myeloma.

  Nakayama K, Szewczyk MM, Dela Sena C, Wu H, Dong A, Zeng H, Li F, de Freitas RF, Eram MS, Schapira M, Baba Y, Kunitomo M, Cary DR, Tawada M, Ohashi A, Imaeda Y, Saikatendu KS, Grimshaw CE, Vedadi M, Arrowsmith CH, Barsyte-Lovejoy D, Kiba A, Tomita D, Brown PJ.

  Oncotarget 2018 Apr; 9(26):18480.

  Application: WB, Human, HEK 293 cells

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- Discovery of a Potent, Selective and Cell-active Dual Inhibitor of Protein Arginine Methyltransferase 4 and Protein Arginine Methyltransferase 6.

  Shen Y, Szewczyk MM, Eram MS, Smil D, Kaniskan HÜ, de Freitas RF, Senisterra G, Li F, Schapira M, Brown PJ, Arrowsmith CH, Barsyte-Lovejoy D, Liu J, Vedadi M, Jin J.

  Journal of Medicinal Chemistry 2016 Sep; 59(19):9124.

  Application: WB, Human, HEK293 cells

- Distinct alternative splicing patterns of mediator subunit genes during endothelial progenitor cell differentiation.

  Rienzo M, Casamassimi A, Schiano C, Grimaldi V, Infante T, Napoli C.

  Biochimie 2012 Aug; 94(8):1828.

  Application: WB-Ce, Human, EPCs

Disease

- Anxiety Disorders
- Autistic Disorder
- Bipolar Disorder
- Depressive Disorder
- Genetic Predisposition to Disease
- Hypothyroidism
- Mental Retardation
- Obesity
- Phobic Disorders
- Schizophrenia

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