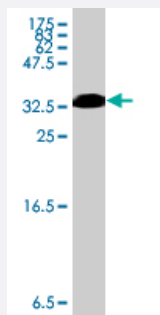


MID1 polyclonal antibody (A01)

Catalog # H00004281-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant MID1.
Immunogen	MID1 (AAH53626, 441 a.a. ~ 540 a.a) partial recombinant protein with GST tag.
Sequence	PNIKQNHYYTVHGLQSGTKYIFMVKAINQAGSRSSSEPGKLKTNSQPFLDPKSAHRKLKVSHDNLTV ERDESSSKKSHTPERFTSQGSYGVAGNVFIDSGR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (100)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — MID1

Entrez GeneID [4281](#)

GeneBank Accession# [BC053626](#)

Protein Accession# [AAH53626](#)

Gene Name MID1

Gene Alias BBBG1, FXY, GBBB1, MIDIN, OGS1, OS, OSX, RNF59, TRIM18, XPRF, ZNFXY

Gene Description midline 1 (Opitz/BBB syndrome)

Omim ID [300000](#) [300552](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also known as the 'RING-B box-coiled coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein forms homodimers which associate with microtubules in the cytoplasm. The protein is likely involved in the formation of multiprotein structures acting as anchor points to microtubules. Mutations in this gene have been associated with the X-linked form of Opitz syndrome, which is characterized by midline abnormalities such as cleft lip, laryngeal cleft, heart defects, hypospadias, and agenesis of the corpus callosum. This gene was also the first example of a gene subject to X inactivation in human while escaping it in mouse. Several different transcript variants are generated by alternate splicing; however, the full-length nature of some of the variants has not been determined. [provided by RefSeq]

Other Designations

OTTHUMP00000022896|OTTHUMP00000022898|OTTHUMP00000022900|OTTHUMP00000022901|midline 1|midline 1 ring finger|putative transcription factor XPRF|tripartite motif protein TRIM18|zinc finger on X and Y, mouse, homolog of

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Ectodermal Dysplasia](#)
- [Genetic Predisposition to Disease](#)
- [Syndrome](#)