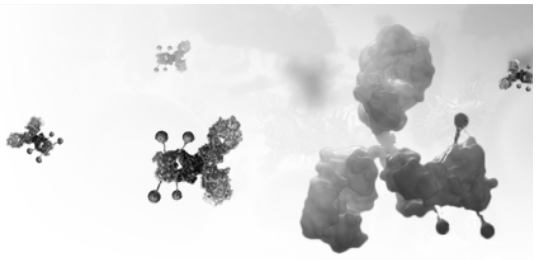

Anti-MID1 (aa 441-540) polyclonal antibody (DPAB-DC1927)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Multiple different transcript variants are generated by alternate splicing; however, the full-length nature of some of the variants has not been determined.
Immunogen	MID1 (AAH53626, 441 a.a. ~ 540 a.a) partial recombinant protein with GST tag. The sequence is PNIKQNHYTVHGLQSGTKYIFMVKAINQAGSRSSEPGKLKTNSQPFKLDPKSAHRKLKVS HDNLTVERDESSSKKSHTPERFTSQGSYGVAGNVFIDSGR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MID1 midline 1 [Homo sapiens (human)]
Official Symbol	MID1
Synonyms	MID1; midline 1; OS; FXY; OSX; OGS1; XPRF; BBBG1; GBBB1; MIDIN; RNF59; ZNFXY; TRIM18; E3 ubiquitin-protein ligase Midline-1; Opitz/BBB syndrome; RING finger protein 59; RING finger protein Midline-1; midline 1 RING finger protein; tripartite motif protein TRIM18; putative transcription factor XPRF; tripartite motif-containing protein 18; zinc finger on X and Y, mouse, homolog of;
Entrez Gene ID	4281
Protein Refseq	NP_000372
UniProt ID	A0A024RBV4
Chromosome Location	Xp22
Pathway	Ubiquitin mediated proteolysis;
Function	ligase activity; microtubule binding; phosphoprotein binding; protein heterodimerization activity

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