



Anti-MOCS3 (full length) polyclonal antibody (DPAB-DC1371)

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

PRODUCT INFORMATION

Antigen Description	Molybdenum cofactor (MoCo) is necessary for the function of all molybdoenzymes. The protein encoded by this gene adenylates and activates molybdopterin synthase, an enzyme required for biosynthesis of MoCo. This gene contains no introns. A pseudogene of this gene is present on chromosome 14.
Immunogen	MOCS3 (AAH15939, 1 a.a. ~ 460 a.a) full-length recombinant protein with GST tag. The sequence is MASREEVLALQAEVAQREEELNSLKQKLASALLAEQEPQPERLVPVSPLPPKAALSRDEI LRYSRQLVLPGLGVHGQLRLGTACVLIVGCGGLGCPLAQYLAAAGVGRLGLVDYDVVEMS NLARQVLHGEALAGQAKAFSAAASLRRLNSAVECVPYTQALTPATALDLVRRYDVVADCS DNVPTRYLVNDACVLAGRPLVSASALRFEGQITVYHYDGGPCYRCIFQPPPAETVTNCA DGGVLGVVTGVLGCLQALEVLKIAAGLGPSYSGSLLLFDALRGHFRSIRLRSRRLDCAAC GERPTVTDLLDYEAFCGSSATDKCRSLQLLSPEERVSVTDYKRLLDSGAFHLLLDVRPQV EVDICRLPHALHIPLKHLERRDAESLKLLKEAIWEEKQGTQEG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MOCS3 molybdenum cofactor synthesis 3 [Homo sapiens (human)]
Official Symbol	MOCS3
Synonyms	MOCS3; molybdenum cofactor synthesis 3; UBA4; adenylyltransferase and sulfurtransferase MOCS3; MPT synthase sulfurylase; molybdopterin synthase sulfurylase; molybdenum cofactor synthesis protein 3; ubiquitin-like modifier activating enzyme 4; UBA4, ubiquitin-activating enzyme E1 homolog;
Entrez Gene ID	27304
Protein Refseq	NP_055299
UniProt ID	O95396
Chromosome Location	20q13.13
Pathway	Defective AMN causes hereditary megaloblastic anemia 1; Defective CD32 causes methylmalonic aciduria; Defective GIF causes intrinsic factor deficiency; Defective LMBRD1 causes methylmalonic aciduria and homocystinuria type cblF.
Function	ATP binding; URM1 activating enzyme activity; metal ion binding; molybdopterin-synthase adenylyltransferase activity