



Anti-CROT (aa 2-99) polyclonal antibody (DPAB-DC2353)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long- chain acyl-CoA molecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been described.[provided by RefSeq, Jan 2009]
Immunogen	CROT (NP_066974, 2 a.a. ~ 99 a.a) partial recombinant protein with GST tag. The sequence is ENQLAKSTEERTFQYQDSLPSLPVPSLEESLKKYLESVKPFANQEEYKKTEEIVQKFQSG IGEKLHQKLLERAKGKRNLWLEEWLNVAYLDVRIPSQL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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	CROT carnitine O-octanoyltransferase [Homo sapiens (human)]
Official Symbol	CROT
Synonyms	CROT; carnitine O-octanoyltransferase; COT; peroxisomal carnitine O-octanoyltransferase; peroxisomal carnitine acyltransferase;
Entrez Gene ID	54677
Protein Refseq	NP_001137407
UniProt ID	Q9UJG9
Chromosome Location	7q21.1
Pathway	Beta-oxidation of pristanoyl-CoA; Metabolism of lipids and lipoproteins; Peroxisome;
Function	carnitine O-octanoyltransferase activity; receptor binding;