



Rabbit Anti-Human COT monoclonal antibody, clone 4I29M6 (CABT-L1251)

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

PRODUCT INFORMATION

Target	CROT
Immunogen	Peptide corresponding to amino acids 282-293 of human COT/TPL2/MAP3K8
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	4I29M6
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

BACKGROUND

Introduction

COT (Cancer Osaka thyroid oncogene) also known as MAP3K8/TPL2 (Mitogen Activated Protein kinase 8/Tumor Progression Locus 2). This oncogene is a member of the serine threonine protein kinase family and is localized in the cytoplasm. It is known to activate JNK kinase and MAP kinase pathways along with activating IK-B kinases aiding in nuclear production of NF-KappaB. The production of IL-2 and TNFalpha during T cell activation is also mediated by COT/MAP3K8/TPL2. In addition to this, COT/MAP3K8/TPL2 also aids in T-cell costimulation, signal transduction, and amino acid phosphorylation. In humans, the MAP3K8 gene encoding COT/MAP3K8/TPL2 is present on chromosome 10.

Keywords

CROT;carnitine O-octanoyltransferase;peroxisomal carnitine O-octanoyltransferase;COT

GENE INFORMATION

Entrez Gene ID

[54677](#)

UniProt ID

[Q9UKG9](#)