HCT116 MTAP -/-

CBP75002

Contents

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I. Background

MTAP (Methylthioadenosine Phosphorylase) is a Protein Coding gene. Diseases associated with MTAP include Diaphyseal Medullary Stenosis With Malignant Fibrous Histiocytoma and Bone Sarcoma. Among its related pathways are Cytokine Signaling in Immune system and Interleukin-12 family signaling. Gene Ontology (GO) annotations related to this gene include 1,4-alpha-oligoglucan phosphorylase activity and S-methyl-5-thioadenosine phosphorylase activity.

II. Description

HCT116 MTAP -/- cells have been homozygously knocked out of MTAP gene.

III. Introduction

Host Cell: HCT116

Knockout gene: MTAP，Homo sapiens (human)

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Stability: 32 passages

Synonym(s): methylthioadenosine phosphorylase,BDMF, DMSFH, DMSMFH, HEL-249, LGMBF, MSAP, c86fus

Freeze Medium: 90% FBS+10% DMSO

Culture Medium: McCoy's 5A+10%FBS

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

IV. Description of Host Cell Line

Organism: Homo sapiens, human

Tissue: Colon

Disease: Colorectal Carcinoma

Morphology: Epithelial-like small cells growing as monolayer

Growth Properties: Adherent

V . Representative Data

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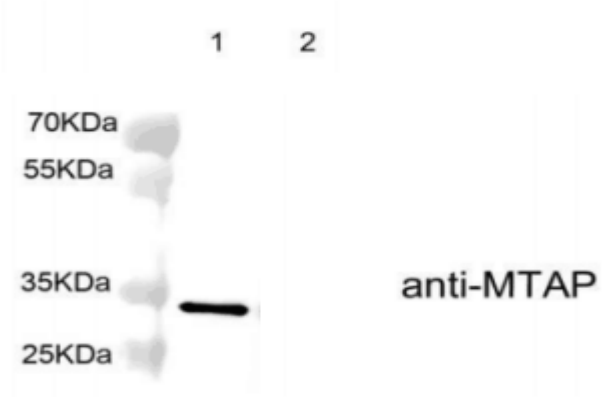

Figure 1. WB of MTAP expression.

Lane 1: HCT116 20ug

Lane 2: HCT116 MTAP -/- 20ug

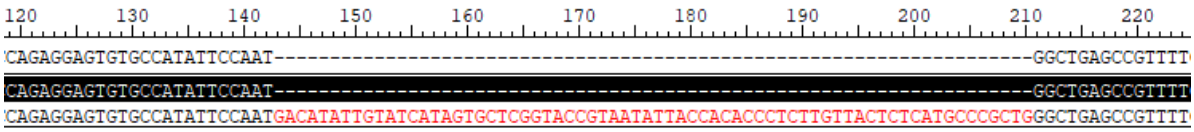

Figure 2. Sanger sequencing of MTAP: p.M140Rfs*6.

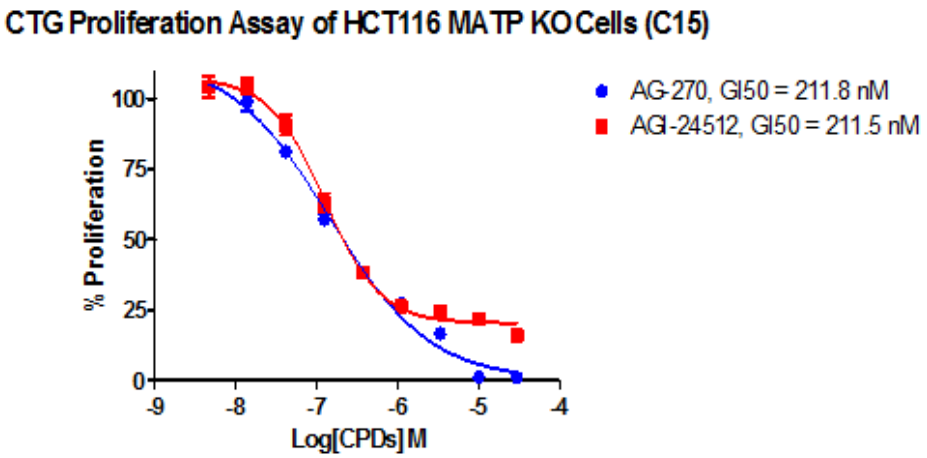

Figure 3. CTG Proliferation Assay of HCT116 MTAP KO cells.

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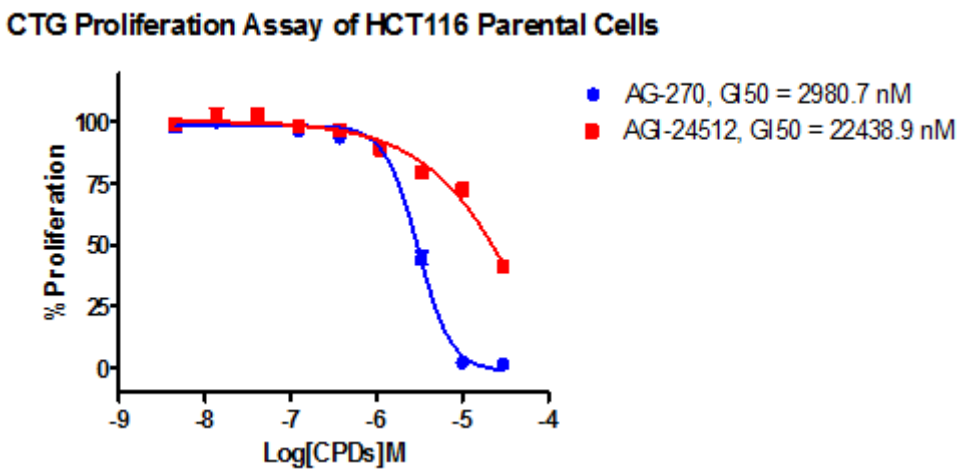

Figure 4. CTG Proliferation Assay of HCT116 Parental cells.

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