

SGTA Antibody

Small Glutamine-Rich Tetratricopeptide Repeat-Containing Protein Alpha, Mouse Anti Human
ABM0622

Product Overview

Name SGTA Antibody

Description

Small Glutamine-Rich Tetratricopeptide Repeat-Containing Protein Alpha, Mouse Anti Human

Synonyms

alphaSGT, hSGT, SGT, Vpu-binding protein, UBP, Small glutamine-rich tetratricopeptide repeat-containing protein alpha, Alpha-SGT, SGT1.

Introduction

SGTA is a ubiquitously expressed protein that contains three TPR protein-protein interaction duplicates. SGTA takes part as a component of the androgen receptor (AR)-chaperone-cochaperone complex, functions as a cochaperone and participates in androgen signaling. SGTA binds directly to HSC70 and HSP70 and mediates their ATPase activity. SGTA gene encodes a protein that is able to interact with the chief nonstructural protein of parvovirus H-1 and 70-kDa heat shock cognate. In addition, SGTA interacts with Vpu and Gag from HIV-1, SARS-CoV accessory protein 7a, DNAJC5 and DNAJC5B. Since this transcript is expressed universally in several tissues, SGTA serves a housekeeping function. While being involved in apoptosis and androgen signaling, SGTA is a possible molecule for polycystic ovary syndrome, a disorder characterized by androgen excess, obesity and menstrual disturbances.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

SGTA Human solution containing 20mM Tris HCL pH-8, 1mM DTT and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino acid sequence

MDNKKRLAYA IIQFLHDQLR HGGLSSDAQE SLEVAIQCLE TAFGVTVEDS DLALPQTLPE IFEAAATGKE

MPQDLRSPAR TPPSEEDSAE AERLKTEGNE QMKVENFEAA VHFY GKAIEL NPANAVYFCN RAAAYSKLGN
YAGAVQDCER AICIDPAYSK AYGRMGLALS SLNKHVEAVA YYKKALELDP DNETYKSNLK IAELKLREAP
SPTGGVGSFD IAGLLNPNPGF MSMASNLMMN PQIQQLMMSGM ISGGNNPLGT PGTSPSQNDL ASLIQAGQQF
AQQMQQQNPE LIEQLRSQIR SRTPSASNDD QQE LEHHHHH H .

Precautions

SGTA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.