

Human SGTA antibody

Catalog Number: ATGA0408

PRODUCT INFORMATION

Catalog number

ATGA0408

Clone No.

AT19E8

Product type

Monoclonal Antibody

UnitProt No.

O43765

NCBI Accession No.

NP_003012

Alternative Names

Small glutamine-rich tetratricopeptide repeat-containing protein alpha, alphaSGT, hSGT, SGT, Small glutamine-rich tetratricopeptide repeat-containing protein alpha Small glutamine rich tetratricopeptide repeat TPR containing alpha, uBP, Vpu binding protein

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human SGTA (1-313aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SGTA, also known as SGT or hSGT, is a ubiquitously expressed protein that contains three TPR protein-protein interaction repeats. This protein is believed to function as a component of the androgen receptor (AR) - chaperone-cochaperone complex, acting as a cochaperone involved in androgen signaling. In addition, SGTA functions as a cochaperone that binds directly to HSC70 and HSP70 and regulates their ATPase activity. On the basis of its role in apoptosis and androgen signaling, SGTA is a potential candidate for PCOS (polycystic ovary syndrome), a disorder characterized by androgen excess, obesity and menstrual disturbances.

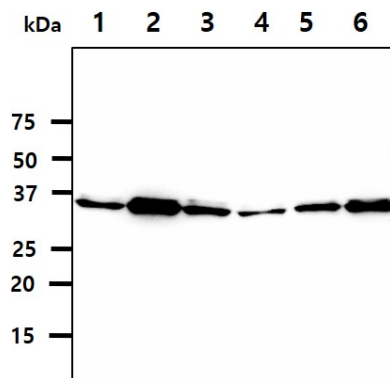
General References

Andreyeva A., et al. (2010) PLoS One. 5: e12018.

Cziepluch C., et al. (1998) J Virol. 72(5): 4149-56.

DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SGTA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: HeLa cell lysate

Lane 2.: K562 cell lysate

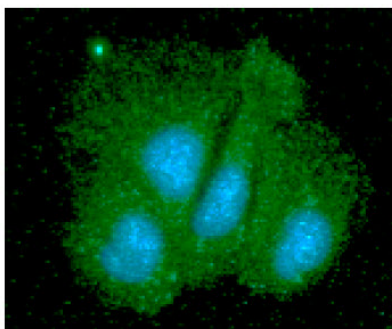
Lane 3.: A549 cell lysate

Lane 4.: MCF7 cell lysate

Lane 5.: LNCaP cell lysate

Lane 6.: 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of SGTA in Hep3B cells. The cell was stained with ATGA0408 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).