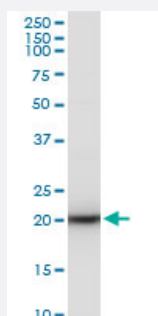


SAT polyclonal antibody (A01)

Catalog # H00006303-A01

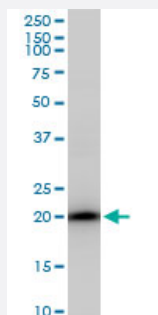
Size 50 uL

Applications



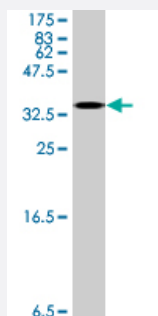
Western Blot (Cell lysate)

SAT polyclonal antibody (A01), Lot # 051213JC01. Western Blot analysis of SAT expression in PC-12.



Western Blot (Cell lysate)

SAT polyclonal antibody (A01), Lot # 051213JC01. Western Blot analysis of SAT expression in MCF-7.



Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant SAT.

Immunogen

SAT (NP_002961, 88 a.a. ~ 171 a.a) partial recombinant protein with GST tag.

Sequence	LLYLEDFVMSDYRGFGIGSEILKNLSQVAMRCRCSSMHFLVAEWNEPSINFYKRRGASDLSEE GWRLFKIDKEYLLKMATEE
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SAT polyclonal antibody (A01), Lot # 051213JC01. Western Blot analysis of SAT expression in PC-12.

[Protocol Download](#)

- Western Blot (Cell lysate)

SAT polyclonal antibody (A01), Lot # 051213JC01. Western Blot analysis of SAT expression in MCF-7.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SAT1

Entrez GeneID	6303
GeneBank Accession#	NM_002970
Protein Accession#	NP_002961
Gene Name	SAT1

Gene Alias	DC21, KFSD, SAT, SSAT, SSAT-1
Gene Description	spermidine/spermine N1-acetyltransferase 1
Omim ID	308800 313020
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the acetyltransferase family, and is a rate-limiting enzyme in the catabolic pathway of polyamine metabolism. It catalyzes the acetylation of spermidine and spermine, and is involved in the regulation of the intracellular concentration of polyamines and their transport out of cells. Defects in this gene are associated with keratosis follicularis spinulosa decalvans (KFSD). Alternatively spliced transcripts have been found for this gene
Other Designations	OTTHUMP00000023061 diamine acetyltransferase 1 spermidine/spermine N1-acetyltransferase spermidine/spermine N1-acetyltransferase alpha

Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

Disease

- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)