

SPSY rabbit pAb

Catalog No :	YT6695
Reactivity :	Human;Mouse
Applications :	WB;ELISA;IHC
Target :	SPSY
Fields :	>>Cysteine and methionine metabolism;>>Arginine and proline metabolism;>>Glutathione metabolism;>>Metabolic pathways
Gene Name :	SMS
Protein Name :	SPSY
Human Gene Id :	6611
Human Swiss Prot No :	P52788
Mouse Gene Id :	20603
Mouse Swiss Prot No :	P97355
Immunogen :	Synthesized peptide derived from human SPSY AA range: 81-131
Specificity :	This antibody detects endogenous levels of SPSY at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

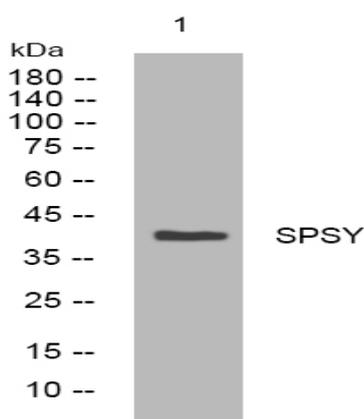
Molecularweight : 40kD

Background : This gene encodes a protein belonging to the spermidine/spermin synthase family. Pseudogenes of this gene are located on chromosomes 1, 5, 6 and X. Mutations in this gene are associated with X-linked Snyder-Robinson mental retardation syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012],

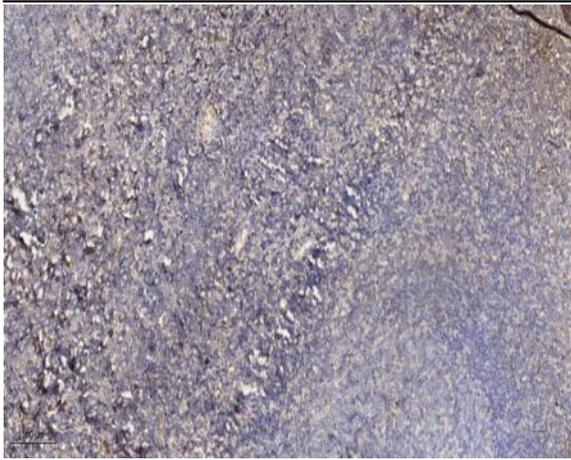
Function : catalytic activity:S-adenosylmethioninamine + spermidine = 5'-methylthioadenosine + spermine.,disease:Defects in SMS are the cause of Snyder-Robinson syndrome (SRS) [MIM:309583]; also called X-linked mental retardation Snyder-Robinson type. SRS is characterized by moderate intellectual deficit, hypotonia, an unsteady gait, osteoporosis, kyphoscoliosis and facial asymmetry. Transmission is X-linked recessive.,domain:Composed of 3 domains: the N-terminal domain has structural similarity to S-adenosylmethionine decarboxylase, the central domain is made up of four beta strands and the C-terminal domain is similar in structure to spermidine synthase. The N- and C-terminal domains are both required for activity.,function:Required for normal viability, growth and fertility.,pathway:Amine and polyamine biosynthesis; spermine biosynthesis; spermine from spermidine: step 1/1.,similarity:Belongs to

Subcellular Location : cytosol,extracellular exosome,

Products Images



Western blot analysis of lysates from CACO2 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4 ° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).