



SYAC rabbit pAb

Catalog No	YP-Ab-08163
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	AARS
Immunogen	Synthesized peptide derived from human SYAC AA range: 504-554
Specificity	This antibody detects endogenous levels of SYAC at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.278% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SYAC;AARS;Alanine--tRNA ligase;cytoplasmic (EC 6.1.1.7) (Alanyl-tRNA synthetase) (AlaRS) (Renal carcinoma antigen NY-REN-42)
Observed Band	105kD
Calculated Molecular Weight	105kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Epithelium,Liver,Osteosarcoma,Placenta,Renal cell carcinoma,
Function	catalytic activity:ATP + L-alanine + tRNA(Ala) = AMP + diphosphate + L-alanyl-tRNA(Ala).,similarity:Belongs to the class-II aminoacyl-tRNA synthetase family., subunit:Monomer.,
Background	The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthases, of the class II enzymes. Class II tRNA synthases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41% identity with the E.coli protein. tRNA synthases are the enzymes that interpret the RNA code and attach specific aminoacids to the tRNAs that contain the cognate trinucleotide anticodons. They consist of a catalytic domain which interacts with the amino acid acceptor-T psi C helix of the tRNA, and a second domain which interacts



with the rest of the tRNA structure. [provided by RefSeq, Jul 2008],

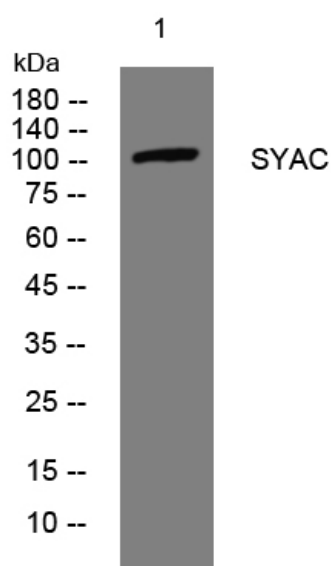
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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