



# SYCM rabbit pAb

<b>Catalog No</b>	BYab-08007
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	CARS2 OK/SW-cl.10
<b>Protein Name</b>	SYCM
<b>Immunogen</b>	Synthesized peptide derived from human SYCM AA range: 95-145
<b>Specificity</b>	This antibody detects endogenous levels of SYCM at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.121% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Probable cysteine--tRNA ligase, mitochondrial (EC 6.1.1.16) (CysteinyI-tRNA synthetase) (CysRS)
<b>Observed Band</b>	60kD
<b>Cell Pathway</b>	Mitochondrion matrix .
<b>Tissue Specificity</b>	Colon adenocarcinoma,Lung,Lymph node,Mammary gland,Salivary gland,Testis,
<b>Function</b>	catalytic activity:ATP + L-cysteine + tRNA(Cys) = AMP + diphosphate + L-cysteinyl-tRNA(Cys).,cofactor:Binds 1 zinc ion per subunit.,similarity:Belongs to the class-I aminoacyl-tRNA synthetase family.,
<b>Background</b>	This gene encodes a putative member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of cysteine to tRNA molecules. A splice-site mutation in this gene has been associated with a novel progressive myoclonic epilepsy disease with similar symptoms to MERRF syndrome. [provided by

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RefSeq, Mar 2015],

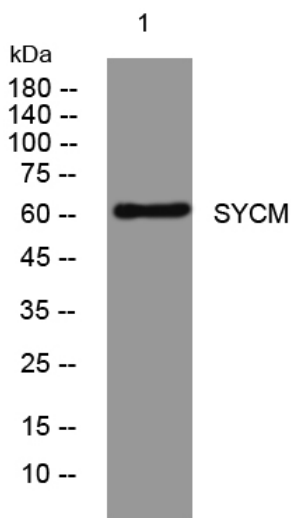
**matters needing attention**

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 3T3 cells, primary antibody was diluted at 1:1000, 4° over night

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