

Anti-AARS1 Rabbit pAb



WLA0837

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-AARS1 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC, IF	1:50-1:200
Cellular localization	Cytoplasm, Nucleus.	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	Human aminoacyl tRNA synthetase (AARS), also known as cytoplasmic alanine tRNA ligase 1 or renal cancer antigen NY-REN-42, belongs to the class II aminoacyl tRNA synthetase (aaRS) family and is a highly conserved enzyme with ancient evolutionary origins. As a classic aminoacyl tRNA synthetase, AARS plays a central role in decoding the genetic code by catalyzing the connection between alanine and homologous tRNA (Ala). Under high lactate concentration conditions, AARS functions as a protein lactate transferase and can catalyze lysine lactylation. The lactate mediated by AARS can inhibit the transcriptional activity of p53 and weaken its tumor suppressive function.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of AARS1.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

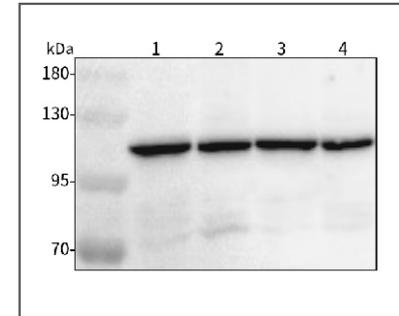
Anti-AARS1 Rabbit pAb



WLA0837

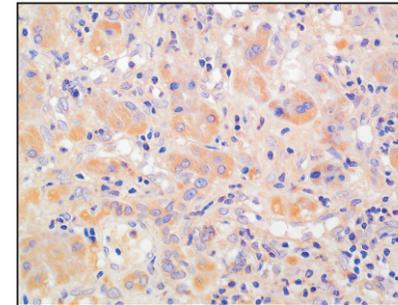
For Research Use Only. Not For Use In Diagnostic Procedures

Product Images



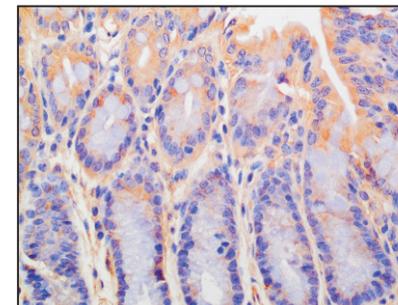
Western blot-Anti-AARS1 pAb

Lane 1: Human HUVEC cell lysate
 Lane 2: Human HCT116 cell lysate
 Lane 3: Human TPC-1 cell lysate
 Lane 4: Human A2780 cell lysate
 All lanes: Anti-AARS1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 107 kDa
 Observed band size: 107 kDa



Immunohistochemistry-Anti-AARS1 pAb

Immunohistochemical analysis of paraffin-embedded human liver cancer using anti-AARS1 Rabbit Antibody at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-AARS1 pAb

Immunohistochemical analysis of paraffin-embedded mouse intestine using anti-AARS1 Rabbit Antibody at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

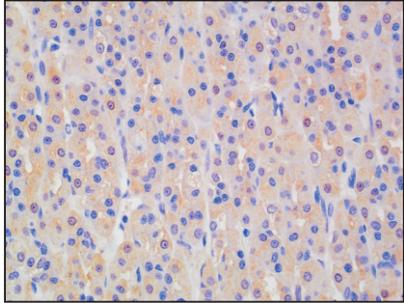


Anti-AARS1 Rabbit pAb

WLA0837

For Research Use Only. Not For Use In Diagnostic Procedures

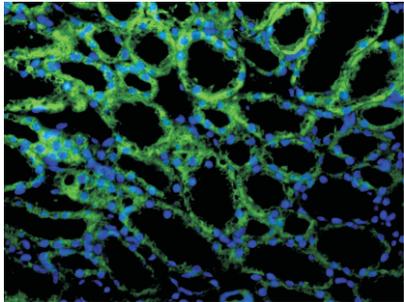
Product Information



Immunohistochemistry-Anti-AARS1 pAb

Immunohistochemical analysis of paraffin-embedded rat stomach using anti-AARS1 Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-AARS1 pAb

Immunofluorescence analysis of paraffin-embedded human kidney cancer using anti-AARS1 Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0