

For Research Use Only

YARS Polyclonal antibody

Catalog Number: 31228-1-AP



Basic Information

Catalog Number:

31228-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35148

GenBank Accession Number:

BC016689

GeneID (NCBI):

8565

UNIPROT ID:

P54577

Full Name:

tyrosyl-tRNA synthetase

Calculated MW:

59 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, U2OS cells, pig pancreas tissue, pig tonsil tissue

IHC : human stomach cancer tissue, human ovary cancer tissue

Background Information

Tyrosyl-tRNA synthetase (YARS) is responsible for tyrosyl-tRNA aminoacylation. The functional enzyme exists as a homodimer, has potent leukocyte and monocyte chemotaxis activity, and stimulates production of myeloperoxidase, tumor necrosis factor- α , and tissue factor. A shift in the monomer:dimer equilibrium could result in dysregulation of the cytokines function. (PMID: 33490854)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

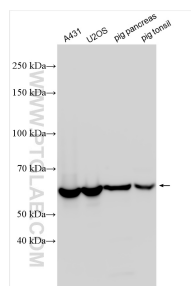
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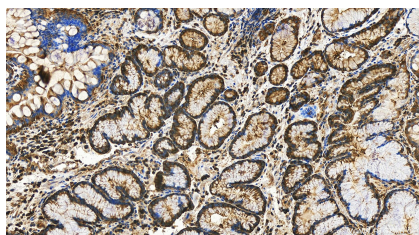
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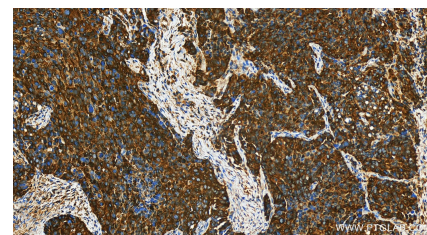
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31228-1-AP (YARS antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 31228-1-AP (YARS antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 31228-1-AP (YARS antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).