

Product datasheet for **TA386889M**

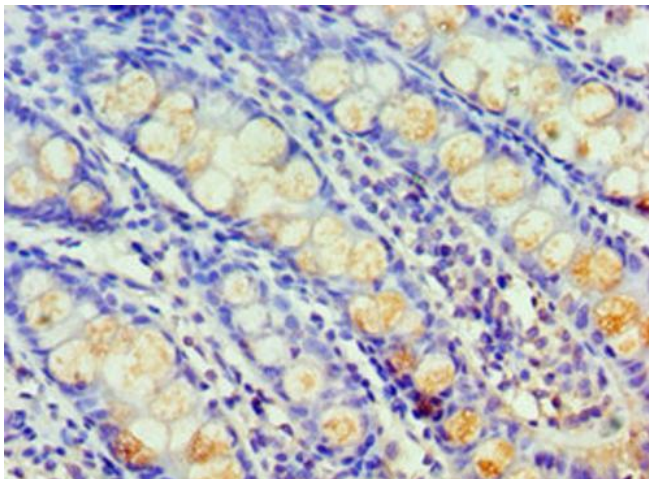
HARS1 Rabbit Polyclonal Antibody

Product data:

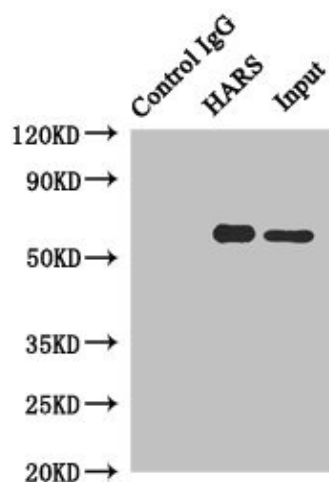
Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human Histidine--tRNA ligase, cytoplasmic protein (1-180AA)
Formulation:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	<u>P12081</u>
Background:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. Several transcript variants encoding different isoforms have been found for this gene.


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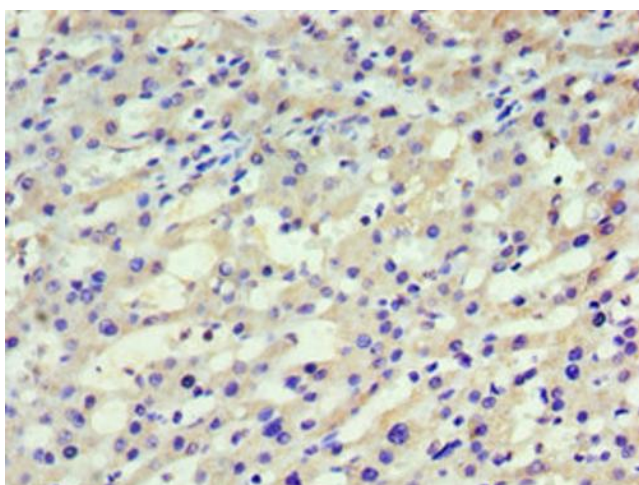
Product images:



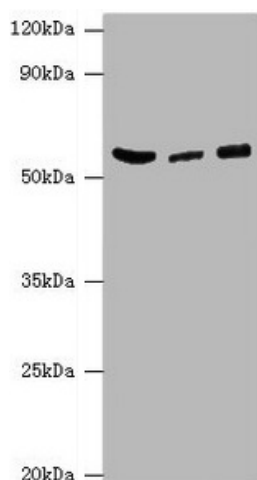
Immunohistochemistry of paraffin-embedded human colon tissue using [TA386889] at dilution of 1:100



Immunoprecipitating HARS in HeLa whole cell lysate
 Lane 1: Rabbit control IgG instead of (1µg) instead of [TA386889] in HeLa whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000)
 Lane 2: [TA386889] (4µg) + HeLa whole cell lysate (500µg)
 Lane 3: HeLa whole cell lysate (20µg)



Immunohistochemistry of paraffin-embedded human liver cancer using [TA386889] at dilution of 1:100



Western blot

All lanes: HARS antibody at 6 μ g/ml

Lane 1: Hela whole cell lysate

Lane 2: K562 whole cell lysate

Lane 3: 293T whole cell lysate

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 58, 53, 51, 55 kDa

Observed band size: 58 kDa