

## Product datasheet for **TA386889**

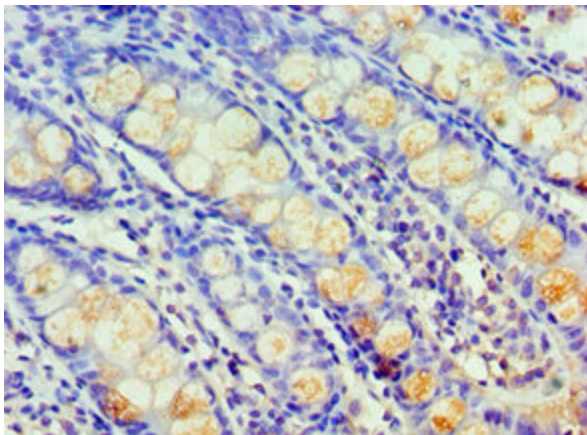
### **HARS1 Rabbit Polyclonal Antibody**

#### **Product data:**

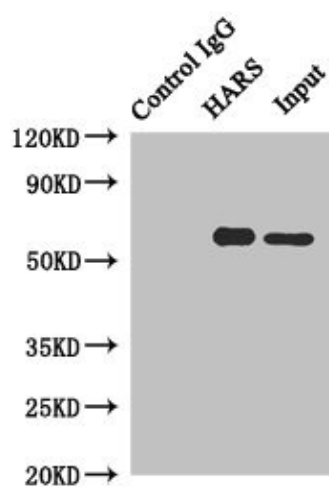
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, IP, WB
<b>Recommended Dilution:</b>	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Recombinant Human Histidine--tRNA ligase, cytoplasmic protein (1-180AA)
<b>Formulation:</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Antigen Affinity Purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Stability:</b>	1 year from dispatch.
<b>Database Link:</b>	<a href="#">P12081</a>
<b>Background:</b>	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 HARS1 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.



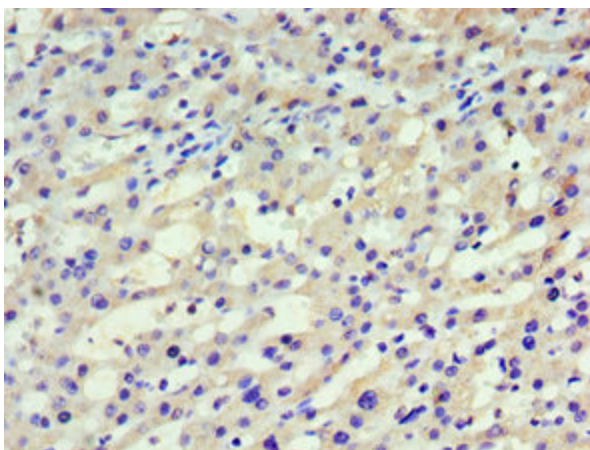
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**Product images:**

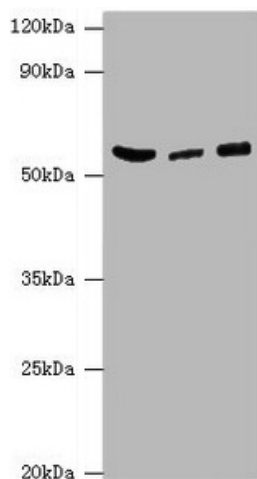
Immunohistochemistry of paraffin-embedded human colon tissue using TA386889 at dilution of 1:100



Immunoprecipitating HARS in HeLa whole cell lysate  
Lane 1: Rabbit control IgG instead of (1 $\mu$ g) 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 (4 $\mu$ g) + HeLa whole cell lysate (500 $\mu$ g)  
Lane 3: HeLa whole cell lysate (20 $\mu$ g)



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



Western blot

All lanes: HARS antibody at 6 $\mu$ 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