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Datasheet for ABIN2789203

# anti-HARS2 antibody (N-Term)





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Quantity:	100 μL
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Target:	HARS2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HARS2 antibody is un-conjugated
Application:	Western Blotting (WB)

#### **Product Details**

Sequence:	AWASLLSQLL RPPCASCTGA VRCQSQVAEA VLTSQLKAHQ EKPNFIIKTP
Predicted Reactivity:	Cow: 83%, Dog: 79%, Guinea Pig: 93%, Horse: 79%, Human: 100%, Mouse: 87%, Rabbit: 86%, Rat: 80%
Characteristics:	This is a rabbit polyclonal antibody against HARS2. It was validated on Western Blot.
Purification:	Affinity Purified

# **Target Details**

Target:	HARS2
Alternative Name:	HARS2 (HARS2 Products)
Background:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate

amino acids. The protein encoded by this gene is an enzyme belonging to the class II family of aminoacyl-tRNA synthetases. Functioning in the synthesis of histidyl-transfer RNA, the enzyme plays an accessory role in the regulation of protein biosynthesis. The gene is located in a head-to-head orientation with HARS on chromosome five, where the homologous genes share a bidirectional promoter.

Alias Symbols: HARSL, HARSR, HO3

Protein Interaction Partner: AGTRAP, FUS, GRSF1, UBC, gag, BST2, ICT1,

Protein Size: 506

 Molecular Weight:
 56 kDa

 Gene ID:
 23438

 NCBI Accession:
 NM\_012208, NP\_036340

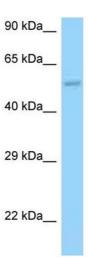
UniProt: P49590

## **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 506 AA
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



#### **Western Blotting**

**Image 1.** WB Suggested Anti-HARS2 Antibody Titration: 1.0 ug/ml Positive Control: PANC1 Whole Cell HARS2 is supported by BioGPS gene expression data to be expressed in PANC1