

Datasheet for ABIN6141609
anti-HARS2 antibody (AA 217-506)



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1 Image

Overview

Quantity:	100 µL
Target:	HARS2
Binding Specificity:	AA 217-506
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HARS2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 217-506 of human HARS2 (NP_036340.1).
Sequence:	IVDGMFAVCG VPESKFRAIC SSIDKLDKMA WKDVRHEMVV KKGLAPEVAD RIGDYVQCHG GVSLVEQMFQ DPRLSQNKQA LEGLGDLKLL FEYLTFLGIA DKISFDLSLA RGLDYVTGVI YEAVLLQTPT QAGEEPLNVG SVAAGGRYDG LVGMFDPKGH KVPCVGLSIG VERIFYIVEQ RMKTKGEKVR TTETQVFVAT PQKNFLQERL KLI AELWDSG IKAEMLYKNN PKLLTQLHYC ESTGIPLVVI IGEQELKEGV IKIRSVASRE EVAIKRENFV AEIQKRLSES
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

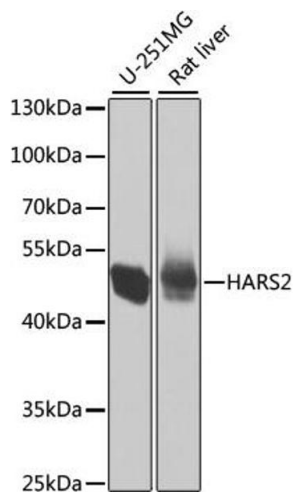
Target:	HARS2
Alternative Name:	HARS2 (HARS2 Products)
Background:	<p>Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is an enzyme belonging to the class II family of aminoacyl-tRNA synthetases. Functioning in the synthesis 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 likely share a bidirectional promoter. Mutations in this gene are associated with the pathogenesis of Perrault syndrome, which involves ovarian dysgenesis and sensorineural hearing loss.</p> <p>Alternative splicing results in multiple transcript variants of this gene.,HARS2,HARSL,HARSR,HO3,PRLTS2,Epigenetics & Nuclear Signaling,HARS2</p>
Molecular Weight:	54 kDa/56 kDa
Gene ID:	23438
UniProt:	P49590

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using H antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.