

Datasheet for ABIN2774013
anti-WARS2 antibody (Middle Region)[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	WARS2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WARS2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human WARS2
Sequence:	TTKQKHDGTV GLLTYPVLQA ADILLYKSTH VPVGEDQVQH MELVQDLAQG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 93%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against WARS2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	WARS2
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Target Details

Alternative Name:	WARS2 (WARS2 Products)
Background:	<p>Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. WARS2 is the mitochondrial tryptophanyl-tRNA synthetase. Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. This gene encodes the mitochondrial tryptophanyl-tRNA synthetase. Two alternative transcripts encoding different isoforms have been described.</p> <p>Alias Symbols: TrpRS</p> <p>Protein Interaction Partner: UBC, APP,</p> <p>Protein Size: 220</p>
Molecular Weight:	24 kDa
Gene ID:	10352
NCBI Accession:	NM_201263 , NP_957715
UniProt:	Q9UGM6

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 220 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.

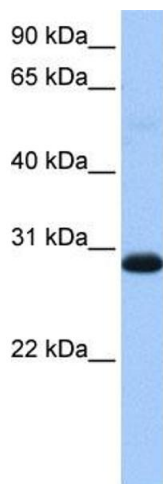
Handling

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.

Publications

Product cited in:	Wang, Sips, Khin, Rotival, Sun, Ahmed, Widjaja, Schafer, Yusoff, Choksi, Ko, Singh, Epstein, Guan, Houštěk, Mracek, Nuskova, Mikell, Tan, Pesce, Kolar, Bottolo, Mancini, Hubner, Pravenec, Petretto et al.: "Wars2 is a determinant of angiogenesis. ..." in: Nature communications , Vol. 7, pp. 12061, (2016) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-WARS2 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Muscle