

Datasheet for ABIN392309
anti-MARS antibody (C-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	MARS
Binding Specificity:	AA 564-593, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MARS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Methionyl tRNA Synthetase antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 564-593 amino acids from the C-terminal region of human Methionyl tRNA Synthetase.
Clone:	RB14925
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MARS
Alternative Name:	Methionyl tRNA Synthetase (MARS Products)

Target Details

Background: Methionine-tRNA ligase (EC 6.1.1.10) catalyzes the chemical reaction: ATP + L-methionine + tRNA^{Met} ↔ AMP + diphosphate + L-methionyl-tRNA^{Met}. The 3 substrates of this enzyme are ATP, L-methionine, and tRNA(Met), whereas its 3 products are AMP, diphosphate, and L-methionyl-tRNA(Met). This enzyme participates in 3 metabolic pathways: methionine metabolism, selenoamino acid metabolism, and aminoacyl-trna biosynthesis.

Molecular Weight: 66591

Gene ID: 92935

NCBI Accession: [NP_612404](#)

UniProt: [Q96GW9](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

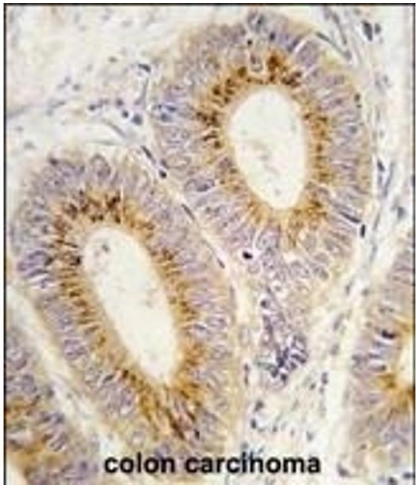
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

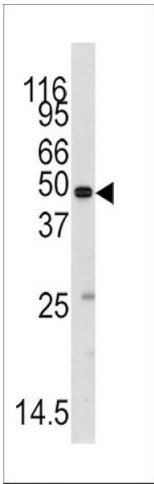
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



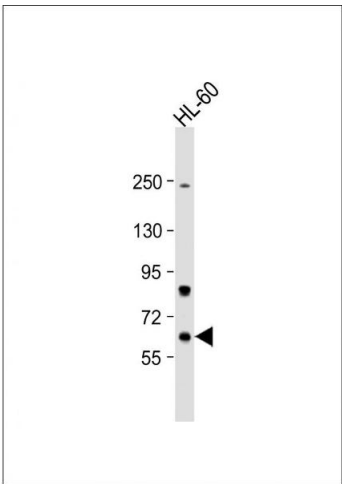
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Forlin-fixed and paraffin-embedded hun colon carcino tissue reacted with RS2 antibody (C-term) (ABIN392309 and ABIN2841960) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-RS2 Antibody (C-term) ((ABIN392309 and ABIN2841960)) in mouse testis tissue lysates (35 µg/lane). RS2(arrow) was detected using the purified Pab.



Western Blotting

Image 3. Anti-RS2 Antibody (C-term) at 1:1000 dilution + HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.