



[Go to Product page](#)

Datasheet for ABIN7159589
anti-MTRR antibody (AA 1-725)

3 Images

Overview

Quantity:	100 µg
Target:	MTRR
Binding Specificity:	AA 1-725
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTRR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Methionine synthase reductase protein (1-725AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MTRR
Alternative Name:	MTRR (MTRR Products)
Background:	Background: Involved in the reductive regeneration of cob(I)alamin (vitamin B12) cofactor required for the maintenance of methionine synthase in a functional state. Necessary for

Target Details

utilization of methylgroups from the folate cycle, thereby affecting transgenerational epigenetic inheritance. Folate pathway donates methyl groups necessary for cellular methylation and affects different pathways such as DNA methylation, possibly explaining the transgenerational epigenetic inheritance effects.

Aliases: MTRR antibody, Methionine synthase reductase antibody, MSR antibody, EC 1.16.1.8 antibody

UniProt: [Q9UBK8](#)

Pathways: [Methionine Biosynthetic Process](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

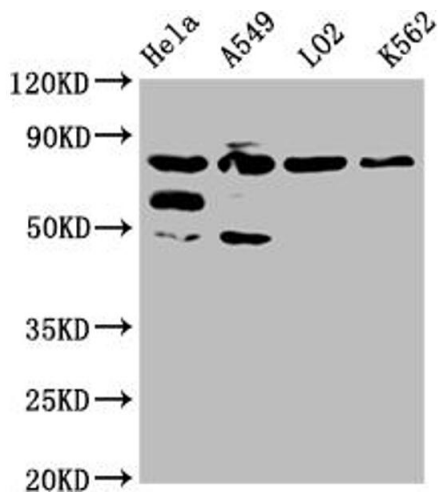
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

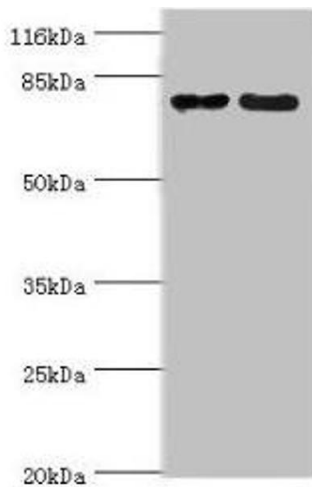
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



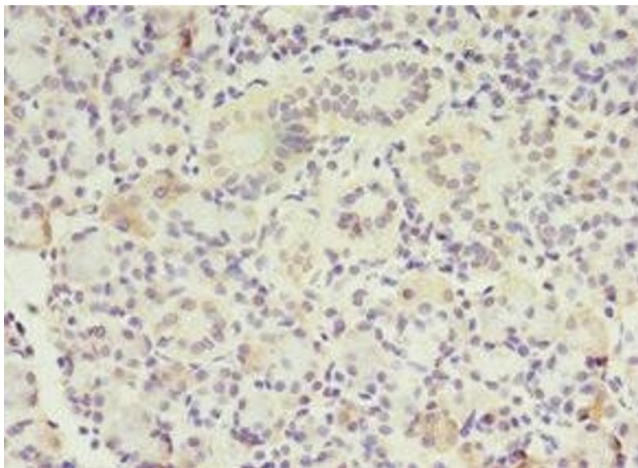
Western Blotting

Image 1. Western Blot Positive WB detected in: HeLa whole cell lysate, A549 whole cell lysate, L02 whole cell lysate, K562 whole cell lysate All lanes: MTRR antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 81, 78, 7 kDa Observed band size: 81 kDa



Western Blotting

Image 2. Western blot All lanes: MTRR antibody at 2 µg/mL Lane 1: PC-3 whole cell lysate Lane 2: HepG2 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 81, 78, 7 kDa Observed band size: 81 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7159589 at dilution of 1:100