

BHMT2 Polyclonal Antibody

Catalog NumberPA5-21554

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:10,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 363 of BHMT2 (Uniprot ID#Q9H2M3)	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.7 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, Raji, mouse liver. Predicted reactivity: Mouse (86%), Rat (85%), Pig (88%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Homocysteine is a sulfur-containing amino acid that plays a crucial role in methylation reactions. Transfer of the methyl group from betaine to homocysteine creates methionine, which donates the methyl group to methylate DNA, proteins, lipids, and other intracellular metabolites. The protein encoded by this gene is one of two methyl transferases that can catalyze the transfer of the methyl group from betaine to homocysteine. Anomalies in homocysteine metabolism have been implicated in disorders ranging from vascular disease to neural tube birth defects such as spina bifida.

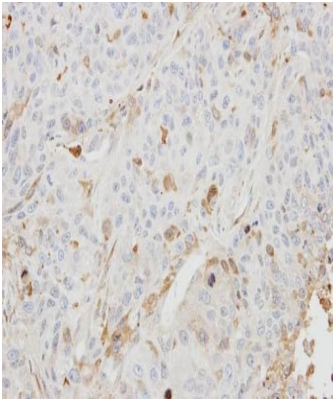
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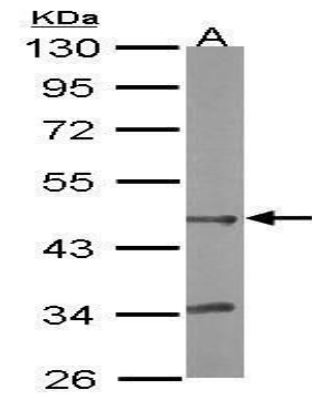
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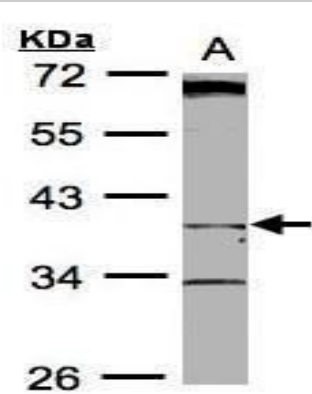
Product Images For BHMT2 Polyclonal Antibody



**BHMT2 Antibody (PA5-21554) in IHC (P)**  
Immunohistochemical analysis of BHMT2 in paraffin-embedded FaDu xenograft using a BHMT2 polyclonal antibody (Product # PA5-21554) at a dilution of 1:500.



**BHMT2 Antibody (PA5-21554) in WB**  
Western blot analysis of BHMT2 using 20 µg of mouse liver lysate. Samples were loaded onto a 10% SDS-PAGE gel and probed with a BHMT2 polyclonal antibody (Product # PA5-21554) at a dilution of 1:10,000.



**BHMT2 Antibody (PA5-21554) in WB**  
Western blot analysis of BHMT2 using 30 µg of Raji lysate. Samples were loaded onto a 10% SDS-PAGE gel and probed with a BHMT2 polyclonal antibody (Product # PA5-21554) at a dilution of 1:500.

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