

## BHMT2 RABBIT PAB

**Cat.#:** S218361

**Product Name:** Anti-BHMT2 Rabbit Polyclonal Antibody

**Synonyms:**

**UNIPROT ID:** Q9H2M3 (Gene Accession - BC020665 )

**Background:** 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**Immunogen:** Fusion protein of human BHMT2

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 30-150;WB: 1000-5000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

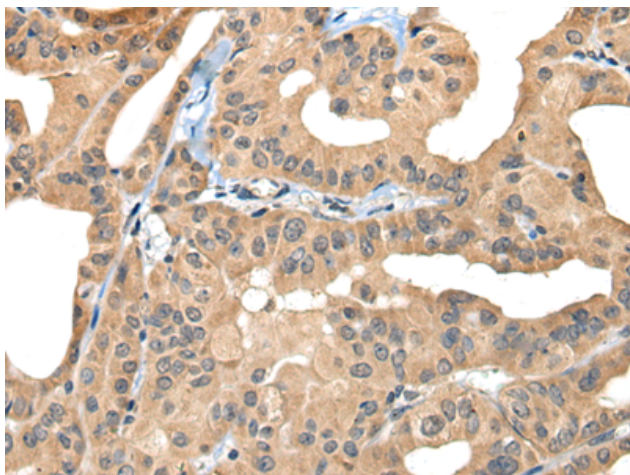
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

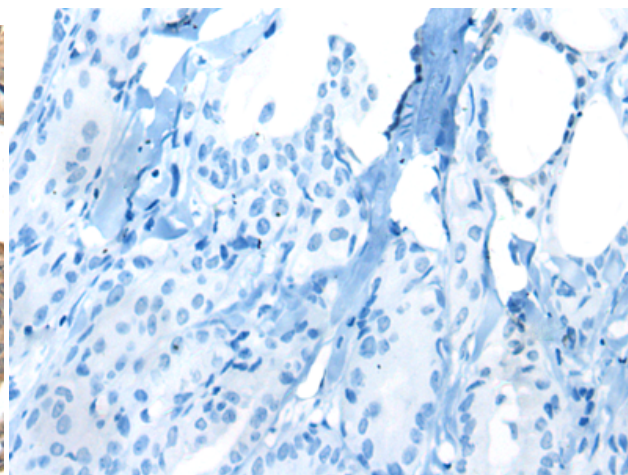
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism

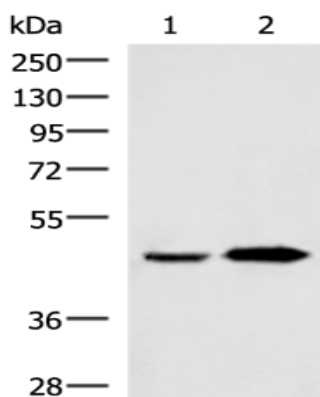
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 218361(BHMT2 Antibody) at a dilution of 1/30(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 218361(Anti-BHMT2 Antibody) at dilution 1/30.



Gel: 8%SDS-PAGE, Lysate: 40  $\mu$ g;  
 Lane 1-2: Human fetal liver tissue and Human liver tissue lysates;  
 Primary antibody: 218361(BHMT2 Antibody) at dilution 1/800;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 10 seconds