

## BCAS3 RABBIT PAB

**Cat.#:** S220097

**Product Name:** Anti-BCAS3 Rabbit Polyclonal Antibody

**Synonyms:** MAAB; GAOB1

**UNIPROT ID:** Q9H6U6 (Gene Accession - NP\_001092902 )

**Background:** BCAS3 (breast carcinoma amplified sequence 3), also designated MAAB or GAOB1, is a 913 amino acid protein that is believed to be involved in breast cancer progression. The gene is regulated by ER $\alpha$  (estrogen receptor alpha) and expressed in multiple tissues, including malignant human brain lesions. It is overexpressed and amplified in breast cancer cell lines. BCAS3 contains three WD40 repeat regions, a bromodomain, a rare zinc-finger motif, four probable DNA-binding domains, and two kinase-inducible phosphorylation domains. Five variants are produced due to alternative splicing. BCAS3 interacts with histone H3 and PCAF, which is indicative of histone acetyltransferase activity. BCAS3 also exhibits ER $\alpha$  transactivation activity by acting as a coactivator with PELP1 or MTA1. The amplification and translocation between the BCAS3 gene and the BCAS4 gene results in a fusion transcript is overexpressed in MCF-7 cells.

**Immunogen:** Synthetic peptide of human BCAS3

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

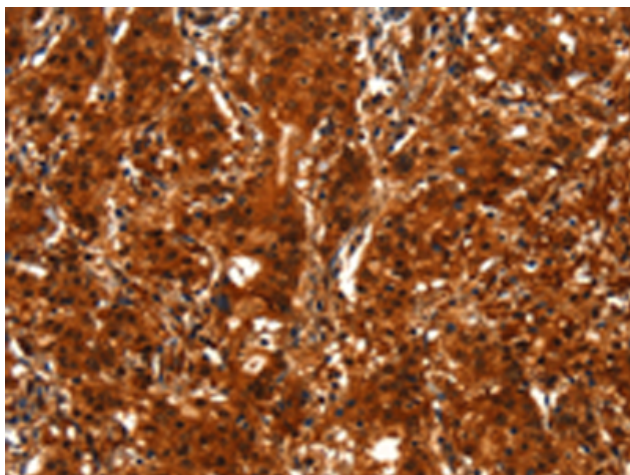
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

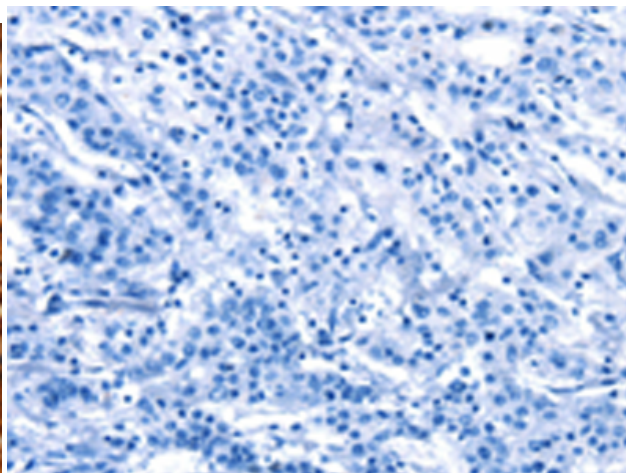
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cancer, Stem Cells

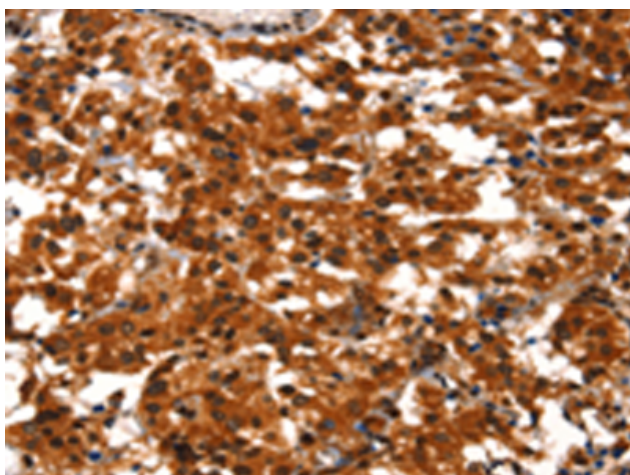
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



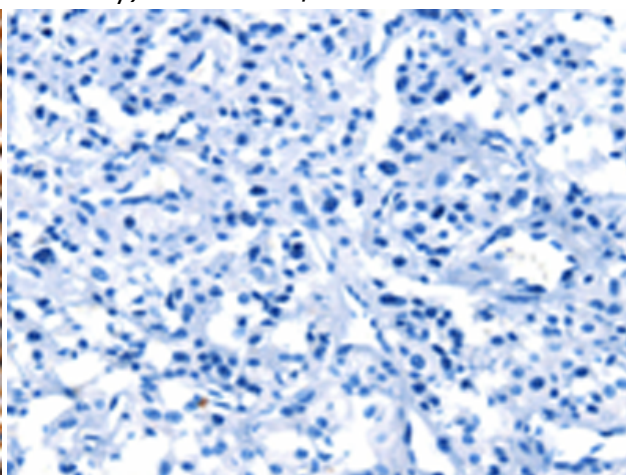
Immunohistochemistry analysis of paraffin-embedded Human gastric cancer tissue using 220097(BCAS3 Antibody) at a dilution of 1/40(Nucleus and Cytoplasm ).



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the synthetic peptide and then with 220097(Anti-BCAS3 Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 220097(Anti-BCAS3 Antibody) at a dilution of 1/40.



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with synthetic peptide and then with D260953(Anti-BCAS3 Antibody) at dilution 1/40.