

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **CGAS RABBIT PAB**

Cat.#: S221814

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

Synonyms: MB21D1; h-cGAS; C6orf150

UNIPROT ID: Q8N884 (Gene Accession - NP\_612450)

**Background:** Enables several functions, including 2',3'-cyclic GMP-AMP synthase activity;

chromatin binding activity; and phosphatidylinositol-4,5-bisphosphate binding activity. Involved in

several processes, including cellular response to exogenous dsRNA; positive regulation of

intracellular signal transduction; and regulation of defense response. Located in several cellular

components, including cytosol; nucleus; and site of double-strand break.

Immunogen: Synthetic peptide of human CGAS

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000

**Host Species:** Rabbit

Clonality: Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

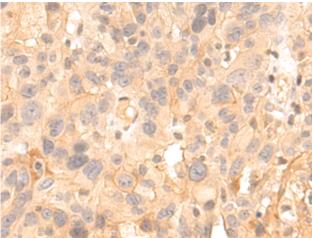
Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

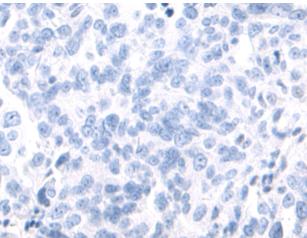
glycerol

Research Areas: Cell Biology

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



Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 221814(CGAS Antibody) at a dilution of 1/50(Cytoplasm and Cell membrane).



In comparision with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 221814(Anti-CGAS Antibody) at dilution 1/50.