

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **ATG4B RABBIT PAB**

Cat.#: S214090

**Product Name:** Anti-ATG4B Rabbit Polyclonal Antibody

**Synonyms:** APG4B; AUTL1

UNIPROT ID: Q9Y4P1 (Gene Accession - NP\_037457)

**Background:** Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Immunogen: Synthetic peptide of human ATG4B

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 1000-5000

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%

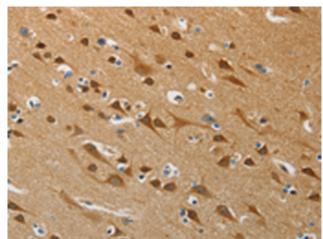
glycerol

Research Areas: Signal Transduction, Cancer, Cell Biology, Cardiovascular Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

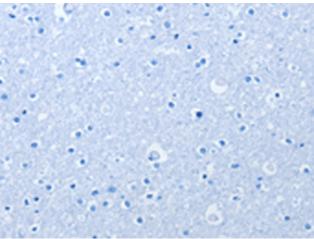


## **Product Description**

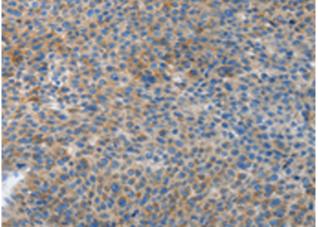
Pioneering GTPase and Oncogene Product Development since 2010



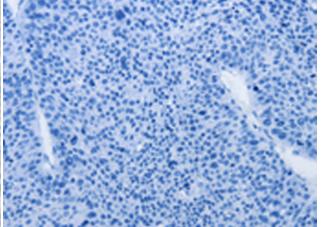
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 214090(ATG4B Antibody) at a dilution of 1/50(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 214090(Anti-ATG4B Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffinembedded Human liver cancer tissue using 214090(Anti-ATG4B Antibody) at a dilution of 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with synthetic peptide and then with D161324(Anti-ATG4B Antibody) at dilution 1/50.