

## IRAK1BP1 RABBIT PAB

**Cat.#:** S216594

**Product Name:** Anti-IRAK1BP1 Rabbit Polyclonal Antibody

**Synonyms:** AIP70; SIMPL

**UNIPROT ID:** Q5VVH5 (Gene Accession - BC112253 )

**Background:** SIMPL, also known as IRAK1BP1 (interleukin-1 receptor-associated kinase 1-binding protein 1), is a 260 amino acid protein belonging to the IRAK1BP1 family. In addition to containing an intrinsically disordered region which associates with HSPA1 and HSPA8, SIMPL also interacts directly with IRAK1 and promotes RELA transcriptional activity. SIMPL is a major component of the IRAK1-dependent TNFRSF1A signaling pathway in which TNF-alpha induces NF-kappa-B gene transcription, leading to an inhibition of proinflammatory cytokines. Inactivation of SIMPL inhibits tumor necrosis factor receptor type 1-induced NF-kappaB activity. Localizing to the nucleus and cytoplasm, SIMPL requires the phosphorylation of Ser-56 and/or Ser-62 to be fully active.

**Immunogen:** Fusion protein of human IRAK1BP1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 200-1000;ELISA: 1000-2000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

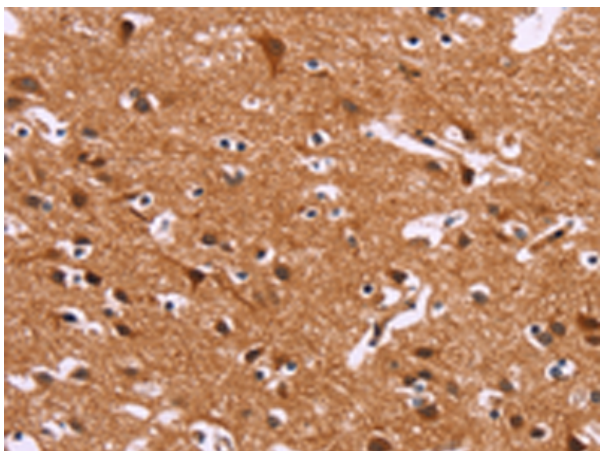
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

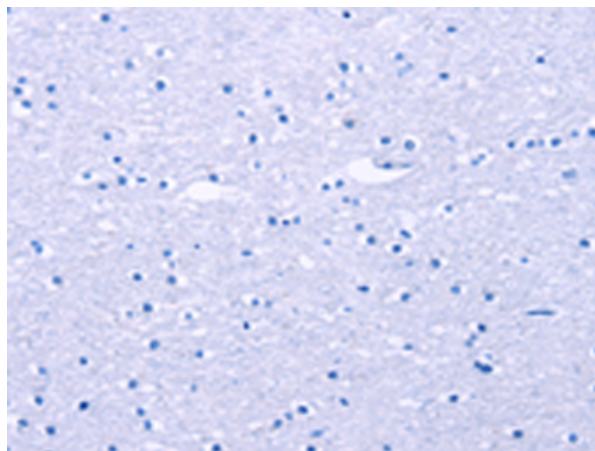
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Immunology

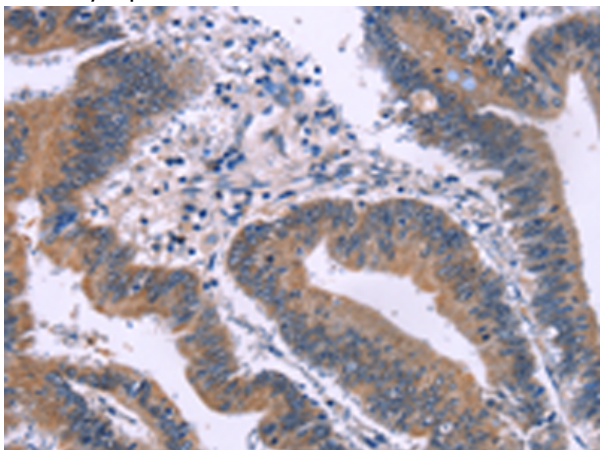
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



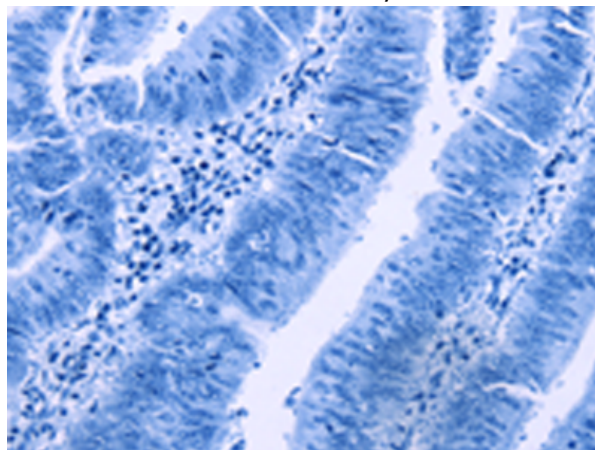
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 216594(IRAk1BP1 Antibody) at a dilution of 1/30(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the fusion protein and then with 216594(Anti-IRAk1BP1 Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 216594(Anti-IRAk1BP1 Antibody) at a dilution of 1/30.



In comparison with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with fusion protein and then with D220883(Anti-IRAk1BP1 Antibody) at dilution 1/30.



Gel: 10%SDS-PAGE, Lysate: 40 µg;  
Lane: Human testis tissue;  
Primary antibody: 216594(IRAk1BP1 Antibody) at dilution 1/350;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 3 minutes



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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