

Datasheet for ABIN3042660
anti-BAG5 antibody (C-Term)



[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | BAG5 |
| Binding Specificity: | AA 415-429, C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This BAG5 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

Product Details

| | |
|-----------------------------|---|
| Purpose: | Anti-Bag5 Antibody Picoband® |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human BAG5, different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids. |
| Sequence: | QGEEKCKAAR KQAVR |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-Bag5 Antibody (ABIN3042660). Tested in Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, |

Product Details

ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: BAG5

Alternative Name: BAG5 ([BAG5 Products](#))

Background: Synonyms: BAG family molecular chaperone regulator 5,BAG-5,Bcl-2-associated athanogene 5,BAG5,KIAA0873,
Tissue Specificity: Expressed in the brain, heart, liver, skeletal muscle, pancreas and placenta. Isoform 1 is predominant in the brain and spinal cord. Isoform 4 is more abundant in the cerebellum. In the brain, broadly expressed in the amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, subthalamic nucleus and thalamus. .
Background: BAG family molecular chaperone regulator 5 is a protein that in humans is encoded by the BAG5 gene. The protein encoded by this gene is a member of the BAG1-related protein family. Bag5 is a negative regulator of both Hsp70 and parkin function that sensitizes dopaminergic neurons to injury-induced death and thus promotes neurodegeneration.
Sequence Similarities: Contains 5 BAG domains.

Molecular Weight: 51 kDa

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. Takayama S, Xie Z, Reed JC (Feb 1999). "An evolutionarily conserved family of Hsp70/Hsc70 Molecular chaperone regulators". J Biol Chem 274 (2): 781-6. 2 Kalia SK, Lee S, Smith PD, Liu L, Crocker SJ, Thorarinsdottir TE, Glover JR, Fon EA, Park DS, Lozano AM (Dec 2004). "BAG5 inhibits parkin and enhances dopaminergic neuron degeneration". Neuron 44 (6): 931-45. 3 "Entrez Gene: BAG5 BCL2-associated athanogene 5".

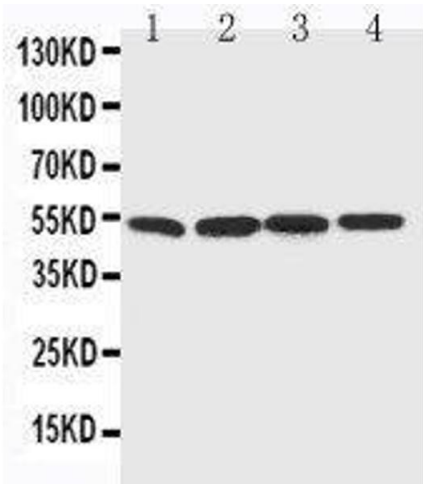
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

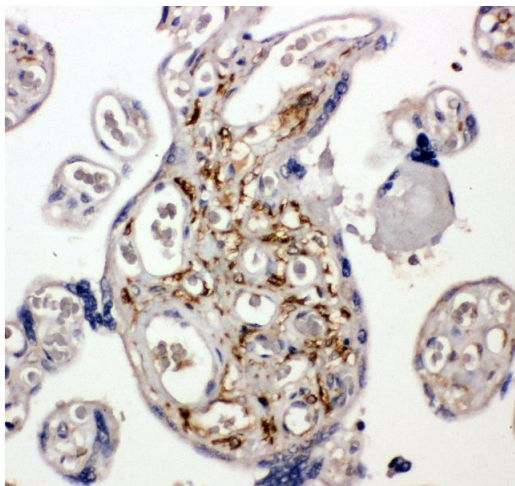
| | |
|--------------------|--|
| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

Images



Western Blotting

Image 1. Anti-BAG5 antibody, Western blotting Lane 1: Rat Thymus Tissue Lysate Lane 2: Rat Spleen Tissue Lysate Lane 3: Rat Testis Tissue Lysate Lane 4: PANC Cell Lysate



Immunohistochemistry

Image 2. Anti-BAG5 antibody, IHC(P) IHC(P): Human Placenta Tissue