Datasheet for ABIN5518812

anti-BAG5 antibody (AA 389-447)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	BAG5
Binding Specificity:	AA 389-447
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAG5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Bag5 Antibody Picoband®
Immunogen:	E.coli-derived human Bag5 recombinant protein (Position: N389-Y447). Human Bag5 shares 96.6% and 93.2% amino acid (aa) sequence identity with mouse and rat Bag5, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Bag5 Antibody Picoband® (ABIN5518812). Tested in Flow Cytometry, IF, ICC, 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, ensuring unmatched performance.

Product Details

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 all tissues examined with lower levels in brain and testis. Background: BAG family molecular chaperone regulator 5 is a protein that in humans is encoded by the BAG5 gene. It is mapped to 14q32.33. 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.
Molecular Weight:	51 kDa
Gene ID:	9529
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human1. 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.
Restrictions:	For Research Use only

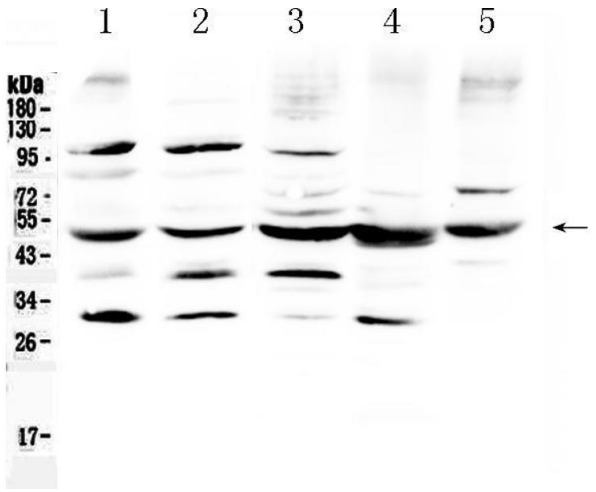
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
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.

Images



Western Blotting

Image 1. Western blot analysis of Bag5 using anti- Bag5 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates, Lane 3: HELA whole Cell lysates, Lane 4: MCF-7 whole cell lysates, Lane 5: SKOV3 whole cell lysates After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- Bag5 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Bag5 at approximately 51KD. The expected band size for Bag5 is at 51KD.