Datasheet for ABIN657974

anti-BAG2 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	BAG2
Binding Specificity:	AA 148-176, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This BAG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 148-176 amino acids from the C-terminal region of human BAG2.
Clone:	RB34133
Isotype:	Ig Fraction
Predicted Reactivity:	B, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	BAG2
Alternative Name:	BAG2 (BAG2 Products)
Background:	BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote

Target Details

	substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq].
Molecular Weight:	23772
Gene ID:	9532
NCBI Accession:	NP_004273
UniProt:	O95816

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

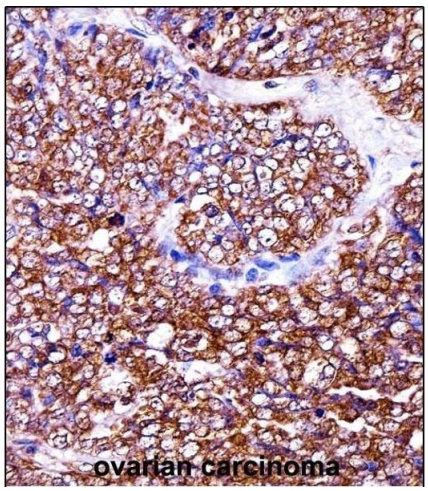
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	BAG2 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

Publications

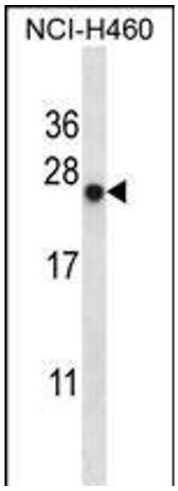
Product cited in:	Lanz, Masi, Porciello, Cohnen, Cipria, Prakaash, Bálint, Raggiaschi, Galgano, Cole, Lepore, Dushek, Dustin, Sansom, Kalli, Acuto: "Allosteric activation of T cell antigen receptor signaling by quaternary structure relaxation." in: **Cell reports**, Vol. 36, Issue 2, pp. 109375, (2022) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. BAG2 Antibody (C-term) ((ABIN657974 and ABIN2846920))immunohistochemistry analysis in formalin fixed and paraffin embedded human ovarian carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of BAG2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. BAG2 Antibody (C-term) (ABIN657974 and ABIN2846920) western blot analysis in NCI- cell line lysates (35 µg/lane).This demonstrates the BAG2 antibody detected the BAG2 protein (arrow).