

Datasheet for ABIN968409 anti-BIRC6 antibody (AA 372-571)



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1 Publication

Overview

Quantity:	150 µg
Target:	BIRC6
Binding Specificity:	AA 372-571
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BIRC6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Mouse BRUCE aa. 372-571
Clone:	4-BRUCE
Isotype:	IgG1
Cross-Reactivity:	Human, Rat (Rattus), Dog (Canine)
Characteristics:	<ol style="list-style-type: none"> 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	BIRC6
Alternative Name:	BRUCE (BIRC6 Products)
Background:	<p>Selective proteolysis is essential for the modulation of key cellular processes such as cell cycle progression. However, unlike other post-translational events, proteolysis is irreversible and therefore must occur in unidirectional cellular pathways. In eukaryotes, proteolysis is mediated primarily by the ubiquitin pathway. This pathway designates proteins for degradation by the proteasome, a multicatalytic protease complex. The ubiquitin pathway is a multistep system that tags proteins for degradation via the attachment of ubiquitin molecules to the target. This attachment is mediated by the ubiquitin activating/conjugating enzymes E1, E2, E3, and BRUCE. BRUCE (BIR Repeat containing Ubiquitin-Conjugating Enzyme) is a novel enzyme that associates with the Golgi and the vesicular system. It contains a UBC (ubiquitin conjugating enzyme) domain, which is essential for catalysis, and a BIR (baculovirus inhibitor of apoptosis repeat) motif. BIR motifs are also found within inhibitor of apoptosis proteins (IAP) and are critical for anti-apoptotic activity. Therefore, BRUCE may function to both mediate ubiquitin-dependent proteolysis and contribute to anti-apoptotic cellular pathways.</p> <p>Synonyms: BIR Repeat containing Ubiquitin-Conjugating Enzyme</p>
Molecular Weight:	528 kDa

Application Details

Application Notes:	Clone 4/BRUCE has also been shown to work well for Western blot application on Hela lysate (ABIN968535)
Comment:	Related Products: ABIN968552, ABIN967389, ABIN968535
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store undiluted at -20°C.

Publications

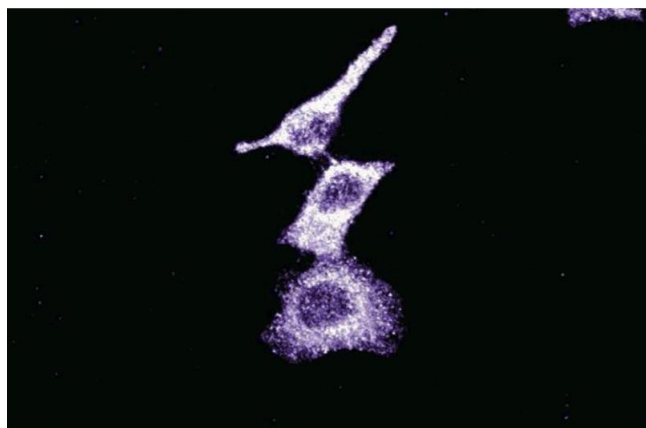
Product cited in: Hauser, Bardroff, Pyrowolakis, Jentsch: "A giant ubiquitin-conjugating enzyme related to IAP apoptosis inhibitors." in: **The Journal of cell biology**, Vol. 141, Issue 6, pp. 1415-22, (1998) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of BRUCE on a SW-13 cell lysate (Human adrenal gland carcinoma, ATCC CCL-105). Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of the mouse anti-BRUC antibody.



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells (Human cervical epitheloid carcinoma, ATCC CCL-2.2).

Image 3.

