Datasheet for ABIN6260268

# anti-BIRC2 antibody (C-Term)

3 Images

Go to Product page

## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | BIRC2 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This BIRC2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Immunogen: | A synthesized peptide derived from human BIRC2, corresponding to a region within C-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | BIRC2 Antibody detects endogenous levels of total BIRC2. |
| Predicted Reactivity: | Bovine,Horse,Sheep,Rabbit,Dog |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

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|---|---|
| Target: | BIRC2 |

## Target Details

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| Alternative Name: | BIRC2 (BIRC2 Products) |
| Background: | Description: Multi-functional protein which regulates not only caspases and apoptosis, but also modulates inflammatory signaling and immunity, mitogenic kinase signaling, and cell proliferation, as well as cell invasion and metastasis. Acts as an E3 ubiquitin-protein ligase regulating NF-kappa-B signaling and regulates both canonical and non-canonical NF-kappa-B signaling by acting in opposite directions: acts as a positive regulator of the canonical pathway and suppresses constitutive activation of non-canonical NF-kappa-B signaling. The target proteins for its E3 ubiquitin-protein ligase activity include: RIPK1, RIPK2, RIPK3, RIPK4, CASP3, CASP7, CASP8, TRAF2, DIABLO/SMAC, MAP3K14/NIK, MAP3K5/ASK1, IKBKG/NEMO, IKBKE and MXD1/MAD1. Can also function as an E3 ubiquitin-protein ligase of the NEDD8 conjugation pathway, targeting effector caspases for neddylation and inactivation. Acts as an important regulator of innate immune signaling via regulation of Toll-like receptors (TLRs), Nodlike receptors (NLRs) and RIG-I like receptors (RLRs), collectively referred to as pattern recognition receptors (PRRs). Protects cells from spontaneous formation of the ripoptosome, a large multi-protein complex that has the capability to kill cancer cells in a caspase-dependent and caspase-independent manner. Suppresses ripoptosome formation by ubiquitinating RIPK1 and CASP8. Can stimulate the transcriptional activity of E2F1. Plays a role in the modulation of the cell cycle.<br>Gene: BIRC2 |
| Molecular Weight: | 70kDa |
| Gene ID: | 329 |
| UniProt: | Q13490 |
| Pathways: | Apoptosis, Caspase Cascade in Apoptosis, Activation of Innate immune Response, Toll-Like Receptors Cascades |

## Application Details

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| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:400, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |

## Handling

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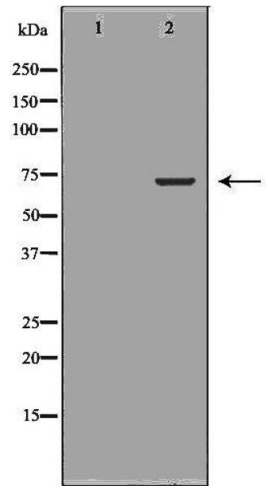
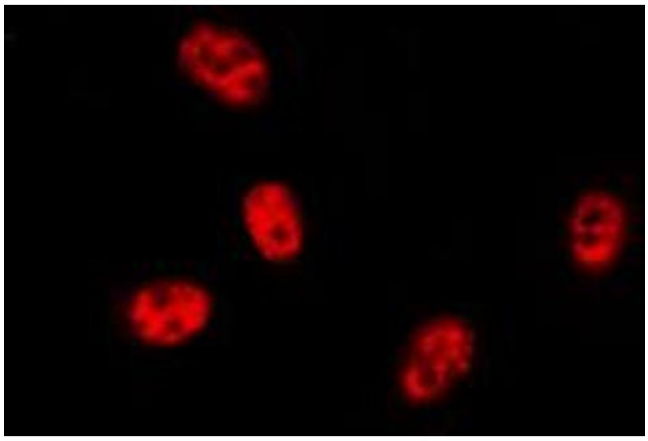
|---|---|
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |

## Images



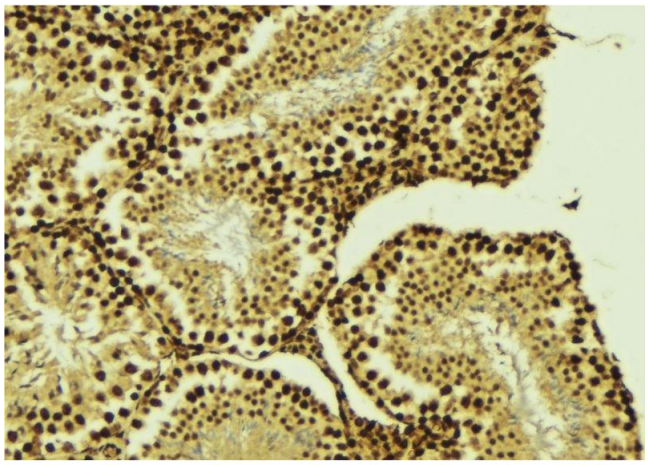

**Western Blotting**

**Image 1.** Western blot analysis of Jurkat whole cell lysates, using BIRC2 Antibody. The lane on the left is treated with the antigen-specific peptide.



**Immunofluorescence (fixed cells)**

**Image 2.** ABIN6276437 staining HEPG2 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37¡ãC. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37¡ãC. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibod



**Immunohistochemistry**

**Image 3.** ABIN6276437 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary