

Datasheet for ABIN7145211
anti-BIRC7 antibody (AA 1-265)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	BIRC7
Binding Specificity:	AA 1-265
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BIRC7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Baculoviral IAP repeat-containing protein 7 protein (1-265AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	BIRC7
Alternative Name:	BIRC7 (BIRC7 Products)
Background:	Background: Apoptotic regulator capable of exerting proapoptotic and anti-apoptotic activities and plays crucial roles in apoptosis, cell proliferation, and cell cycle control. Its anti-apoptotic

Target Details

activity is mediated through the inhibition of CASP3, CASP7 and CASP9, as well as by its E3 ubiquitin-protein ligase activity. As it is a weak caspase inhibitor, its anti-apoptotic activity is thought to be due to its ability to ubiquitinate DIABLO/SMAC targeting it for degradation thereby promoting cell survival. May contribute to caspase inhibition, by blocking the ability of DIABLO/SMAC to disrupt XIAP/BIRC4-caspase interactions. Protects against apoptosis induced by TNF or by chemical agents such as adriamycin, etoposide or staurosporine. Suppression of apoptosis is mediated by activation of MAPK8/JNK1, and possibly also of MAPK9/JNK2. This activation depends on TAB1 and NR2C2/TAK1. In vitro, inhibits CASP3 and proteolytic activation of pro-CASP9. Isoform 1 blocks staurosporine-induced apoptosis. Isoform 2 blocks etoposide-induced apoptosis. Isoform 2 protects against natural killer (NK) cell killing whereas isoform 1 augments killing.

Aliases: Baculoviral IAP repeat containing 7 antibody, Baculoviral IAP repeat containing protein 7 antibody, Baculoviral IAP repeat-containing protein 7 antibody, BIRC 7 antibody, birc7 antibody, BIRC7_HUMAN antibody, KIAP antibody, Kidney inhibitor of apoptosis protein antibody, Livin antibody, Livin inhibitor of apoptosis antibody, Melanoma inhibitor of apoptosis protein antibody, ML IAP antibody, ML-IAP antibody, MLIAP antibody, RING finger protein 50 antibody, RNF 50 antibody, RNF50 antibody

UniProt: [Q96CA5](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot All lanes: Baculoviral IAP repeat-containing protein 7 antibody at 6 µg/mL + HeLa whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 33, 31 kDa Observed band size: 33 kDa