

**HIAP-1/BIR3 Rabbit Monoclonal Antibody
Product Data Sheet**

Catalog #1040-1

Clone ID: E40 **Lot #:** C030416
Quantity: 100 µl
Type: Rabbit Monoclonal IgG
Species Cross-reactivity: Human Mouse Rat
Applications: WB IHC ICC Flow Cytometry IP
Molecular Wt.: 72 kDa
UniProt ID: Q13489

Background: cIAP-2, also known as HIAP-1, is a member of the inhibitor of apoptosis (IAP) family of proteins. These proteins contain a BIR (baculovirus IAP repeat) domain near the amino-terminus (1). cIAP-2 is localized to the cytoplasm. The BIR motifs region interacts with TNF receptor associated factors 1 and 2 (TRAF1 and TRAF2) to form a heteromeric complex, which is then recruited to the tumor necrosis factor receptor 2 (TNFR2). This complex is thought to play a role in inhibition of apoptosis (2,3). cIAP-2 inhibits cytochrome c-induced activation of caspase-9, thereby preventing initiation of the caspase cascade and apoptosis (4).

Specificity: A synthetic peptide corresponding to residues, before the breakpoint for translocation to form BIRC3-MALT1, of Human BIP3 was used as immunogen. The antibody does not cross-react with other IAP family members.

Storage Conditions: Store at -20 °C. Buffer: 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Recommended Dilutions:

WB: 1:500
IHC: 1:50
ICC: 1:100
IP: 1:50

Background References:

1. Rothe, M. et al. The TNFR2-TRAF signaling complex contains two novel proteins related to baculoviral inhibitor of apoptosis proteins. *Cell* 83(7): 1243–52 (1995).
2. Shu, H.B. et al. The tumor necrosis factor receptor 2 signal transducers TRAF2 and c-IAP1 are components of the tumor necrosis factor receptor 1 signaling complex. *PNAS USA* 93(10): 4974–8 (1996).
3. Liston, P. et al. Suppression of apoptosis in mammalian cells by NAIP and a related family of IAP genes. *Nature* 379(6563): 349–53 (1996).
4. Deveraux, Q.L. et al. IAPs block apoptotic events induced by caspase-8 and cytochrome c by direct inhibition of distinct caspases. *EMBO J.* 17: 2215–2223 (1998).

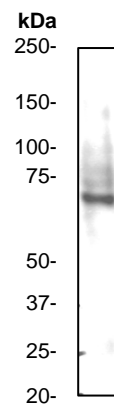


Fig 1. Western blot analysis on Daudi cell lysate using anti-HIAP-1/BIR3 RabMab (catalog #1040-1), dilution 1:500.

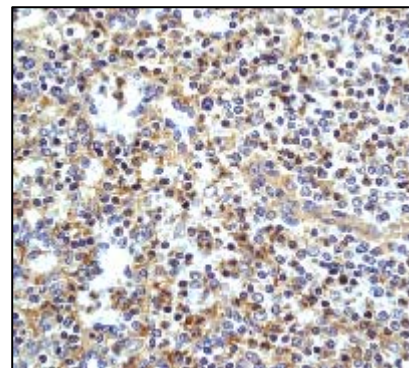


Fig 2. Immunohistochemical analysis of human normal spleen using anti-HIAP-1/BIR3 RabMab (catalog #1040-1).

Product QC'd by: _____

For research use only. Not for use in diagnostic or therapeutic applications.

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit www.epitomics.com.