

bs-1281R**[Primary Antibody]**

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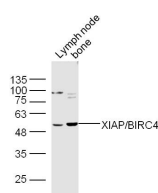
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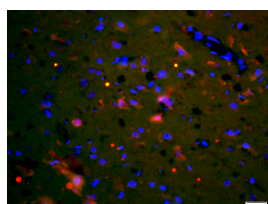
XIAP/BIRC4 Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 331**SWISS:** P98170**Target:** XIAP/BIRC4**Immunogen:** KLH conjugated synthetic peptide derived from human XIAP: 201-330/496.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

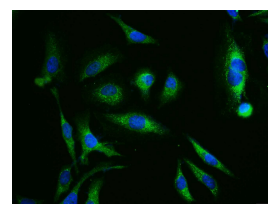
Background: This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.[provided by RefSeq, Feb 2011]

Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (3ug/Test)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 55 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

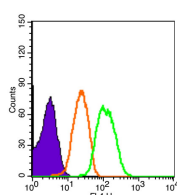
Sample: Lymph node(Mouse) Lysate at 40 ug
Bone(Mouse) Lysate at 40 ug Primary: Anti-XIAP/BIRC4(bs-1281R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD
Observed band size: 53 kD



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-XIAP/BIRC4 Polyclonal Antibody, Unconjugated(bs-1281R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, PE conjugated(bs-0295G-PE)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Tissue/cell:HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Antibody incubation with (XIAP/BIRC4) polyclonal Antibody, Unconjugated (bs-1281R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Blank control (Black line): HUVEC(Black).
 Primary Antibody (green line): Rabbit Anti-XIAP antibody (bs-1281R) Dilution: 1µg /10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol
 The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
 Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=7.5]** Hao Chen. et al.The Hao-Fountain syndrome protein USP7 regulates neuronal connectivity in the brain via a novel p53-independent ubiquitin signaling pathway.cell reports.2025 Feb 25;44(2):115231. ;Mouse. 39862434
- **[IF=6.107]** Hui Qiao. et al. Role of the DUB enzyme USP7 in dendritic arborization, neuronal migration and autistic-like behaviors in mice. ISCIENCE. 2022 Jun;:104595 IP,WB,IF ;Human, Mouse. 35800757
- **[IF=5.778]** Lei Tian. et al. Acute ozone exposure can cause cardiotoxicity: Mitochondria play an important role in mediating myocardial apoptosis. Chemosphere. 2021 Apr;268:128838 WB ;Rat. 33162165
- **[IF=3.73]** Chen, Xin-mei, et al. "Wogonin Has Multiple Anti-Cancer Effects by Regulating c-Myc/SKP2/Fbw7α and HDAC1/HDAC2 Pathways and Inducing Apoptosis in Human Lung Adenocarcinoma Cell Line A549." PLOS ONE 8.11 (2013) WB ;="Human". 24265759
- **[IF=3.743]** Tan J et al. Integrative findings indicate anti-tumor biotargets and molecular mechanisms of calycosin against osteosarcoma. Biomed Pharmacother. 2020 Jun;126:110096. Other ;human. 32179199