



## BIRC2 Antibody

#24174

**Catalog Number:** 24174-1, 24174-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :**Q13490

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized peptide derived from Human BIRC2

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Specificity/Sensitivity:** BIRC2 antibody detects endogenous levels of total BIRC2 protein

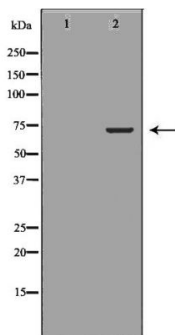
**Reactivity:** Human, Mouse, Rat

### Applications:

Predicted MW: 70kd

WB:1:500~1:2000

IHC:1:50-200



Western blot analysis of extracts of various celllines, using BIRC2 antibody.

**Background :** The inhibitor of apoptosis protein (IAP) family consists of an evolutionarily conserved group of apoptosis inhibitors containing a conserved 70 amino acid BIR (baculovirus inhibitor repeat) domain . Human members of this family include c-IAP1, c-IAP2, XIAP, survivin, livin, and NAIP. Overexpression of IAP family members, particularly survivin and livin, in cancer cell lines and primary tumors suggests an important role for these proteins in cancer progression . In general, the IAP proteins function through direct interactions to inhibit the activity of several caspases, including caspase-3, caspase-7, and caspase-9 . In addition, binding of IAP family members to the mitochondrial protein Smac blocks their interaction with caspase-9, thereby allowing the processing and activation of the caspase .

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