

Polyclonal Anti-BIRC7 Antibody

Catalog Number: PA1427

Description

Gene Name	baculoviral IAP repeat containing 7
Recommended Protein Name	Baculoviral IAP repeat-containing protein 7
Lot No.	0141112012758
Size	100µg/vial
Form	lyophilized
Ig type	Rabbit IgG
Specificity	No cross reactivity with other proteins.
Purification	Immunogen affinity purified.
Species	Reacts with: human, rat Predicted to work with: mouse
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human BIRC7 (115-132aa)(a) HTGHQDKVRCFFCYGGLQ), different from the mouse sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .

Application

	Concentration	Tested Species	Predicted Species	Antigen Retrieval
Western blot	0.1-0.5µg/ml	Hu, Rat	Ms	-
Immunohistochemistry (Paraffin-embedded Section)	0.5-1µg/ml	Hu	-	By Heat

Tested Species: In-house tested species with positive results.

Predicted Species: Species predicted to be fit for the product based on sequence similarities.

By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections.

Other applications have not been tested.

Optimal dilutions should be determined by end users.

Preparation and storage

Reconstitution: 0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage: At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.

Avoid repeated freezing and thawing.

Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1002 in WB, supported by SA1022 in IHC(P).

Background

Baculoviral IAP repeat-containing protein 7 is a protein that in humans is encoded by the BIRC7 gene. This protein is a member of the family of inhibitor of apoptosis proteins (IAP) and contains a single copy of a baculovirus IAP repeat (BIR) and a RING finger motif. Its gene is mapped to 20q13.3. It has got 280- and 298- amino acids. The protein is highly expressed in melanomas while lowly expressed in some lymphomas, fetal kidney, fetal liver, testis and thymus. BIRC7 plays a vital role in blocking apoptosis induced.

Reference

1. Kasof GM, Gomes BC (May 2001). "Livin, a novel inhibitor of apoptosis protein family member". *J Biol Chem* 276 (5): 3238–46.
2. Lin JH, Deng G, Huang Q, Morser J (Feb 2001). "KIAP, a novel member of the inhibitor of apoptosis protein family". *Biochem Biophys Res Commun* 279 (3): 820–31.
3. "Entrez Gene: BIRC7 baculoviral IAP repeat-containing 7 (livin)".