

Product datasheet for AP07670PU-N

Livin (BIRC7) (264-298) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 2 - 4 µg/ml.
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to Amino Acids 264-280 of the Short form and 281-298 of the Long form of human Livin (1,3)
Specificity:	This antibody detects Livin (1,3).
Formulation:	Phosphate Buffered Saline PBS, containing 0.02% Sodium Azide as preservative
	State: Aff - Purified
	State: Liquid purified IgG fraction
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	baculoviral IAP repeat containing 7
Database Link:	Entrez Gene 79444 Human Q96CA5

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Background:

Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. A novel member in the IAP protein family was recently identified and designated Livin and KIAP for kidney IAP. Livin/XIAP contains a single baculoviral IAP repeat (BIR) domain and a RING finger domain and has two isoforms termed Livin-a and Livin-b. Transfection of Livin in cells resulted in protection from apoptosis induced by FADD, BAX, RIP, RIP3 and DR6. Livin has direct interaction with several caspases including caspase-3, -7, and -9. Livin inhibits the activation of caspase-9 induced by Apaf-1, cytochrome c, and dATP. The two isoforms of Livin appear to have different functions and tissue distributions.

Synonyms:

KIAP, MLIAP, RNF50

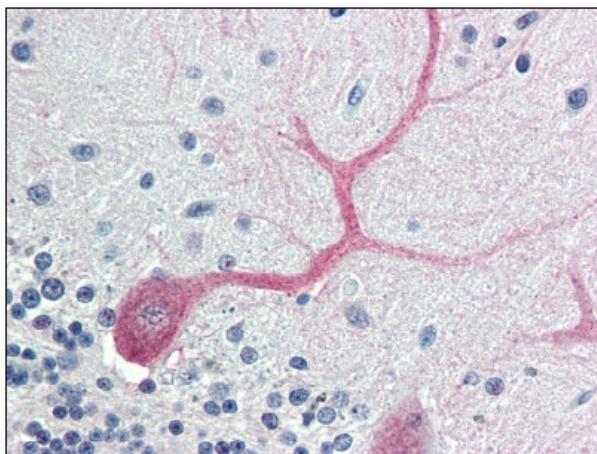
Product images:

Figure 1. Formalin-Fixed Paraffin-Embedded (FFPE) on Brain, cerebellum.