

For Research Use Only

# Livin Polyclonal antibody

Catalog Number: 27543-1-AP

4 Publications



## Basic Information

Catalog Number:

27543-1-AP

Size:

150ul, Concentration: 1200 ug/ml by Nanodrop and 533 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26737

GenBank Accession Number:

BC014475

GeneID (NCBI):

79444

UNIPROT ID:

Q96CA5

Full Name:

baculoviral IAP repeat-containing 7

Calculated MW:

33 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

Human

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : Jurkat cells, A431 cells, A375 cells, HeLa cells

IHC : human breast cancer tissue,

## Background Information

BIRC7 also known as Livin, is one of the family members of the inhibitor of apoptosis protein (IAP). BIRC7 contains a BIR domain that has been shown to bind and inhibit caspases-3, -7 and -9, playing a key role in inhibiting apoptosis. Overexpression of BIRC7 in tumors has been linked with increased chemo- and radio-resistance, recurrence, and decreased patient survival. BIRC7 is closely associated with melanoma disease progression, apoptosis resistance, and chemotherapeutic drug resistance.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Jia	29568859	Int J Oncol	WB
Hao Wang	32359099	Exp Physiol	WB
Zhenling Zhang	35931997	BMC Cancer	IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

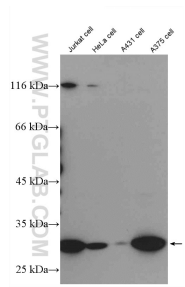
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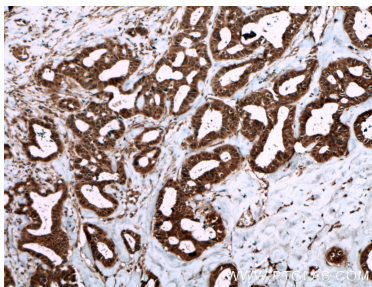
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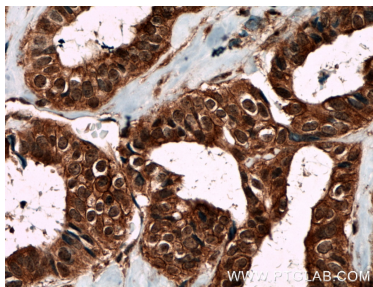
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27543-1-AP (Livin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27543-1-AP (Livin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27543-1-AP (Livin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).