

For Research Use Only

BIRC6 Polyclonal antibody

Catalog Number: 29760-1-AP **1 Publications**



Basic Information

Catalog Number: 29760-1-AP	GenBank Accession Number: NM_016252	Purification Method: Antigen affinity purification
Size: 750 µg/ml	GeneID (NCBI): 57448	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q9NR09	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Full Name: baculoviral IAP repeat-containing 6	
Immunogen Catalog Number: AG30729	Calculated MW: 530 kDa	
	Observed MW: 530 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : DU 145 cells, LNCaP cells, PC-3 cells
Cited Applications: WB, IHC	IHC : human breast cancer tissue,
Species Specificity: Human	IF : U2OS cells,
Cited Species: human, mouse	

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

Background Information

BIRC6 (Baculoviral IAP Repeat Containing 6), also known as BRUCE or APOLLON, is a member of the Inhibitors of Apoptosis Protein (IAP) family with a single BIR domain at its N-terminal and an active ubiquitin-conjugating (UBC) enzyme domain at its C-terminal (PMID: 23409057). In addition to its IAP activity, BIRC6 has the distinctive property of activity as a chimeric E2/E3 ubiquitin ligase in mammals. With its UBC domain, BIRC6 promotes the degradation of Smac and inhibits the activity of caspase-9, which play key roles in the initiation of apoptosis (PMID: 25933218). BIRC6 is highly expressed in many cancer types, where elevated expression of BIRC6 is significantly correlated with poor clinical outcome (PMID: 34729249).

Notable Publications

Author	Pubmed ID	Journal	Application
Fang Tong	36105077	Front Genet	WB, 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

For technical support and original validation data for this product please contact:

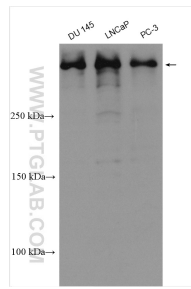
T: 4006900926

E: Proteintech-CN@ptglab.com

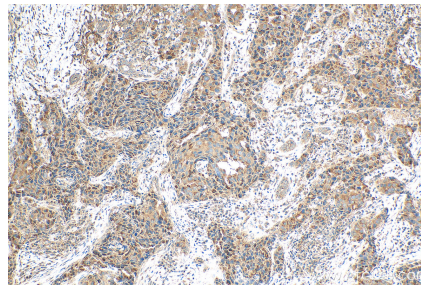
W: ptgcn.com

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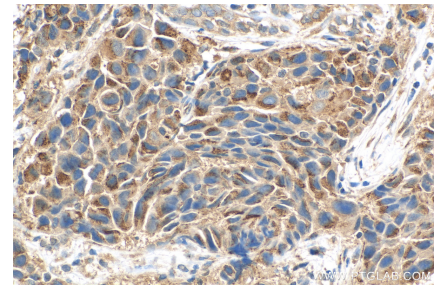
Selected Validation Data



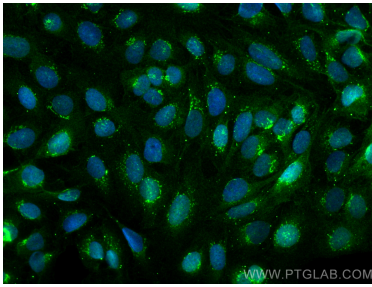
Various lysates were subjected to SDS PAGE followed by western blot with 29760-1-AP (BIRC6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 29760-1-AP (BIRC6 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 29760-1-AP (BIRC6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using BIRC6 antibody (29760-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).