

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: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 57448	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: baculoviral IAP repeat-containing 6	
Isotype: IgG	Calculated MW: 530 kDa	
Immunogen Catalog Number: AG30729	Observed MW: 530 kDa	

Applications

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

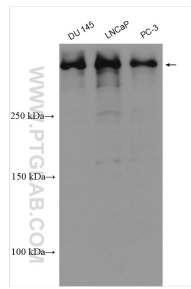
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

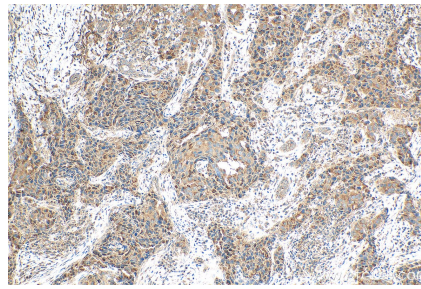
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

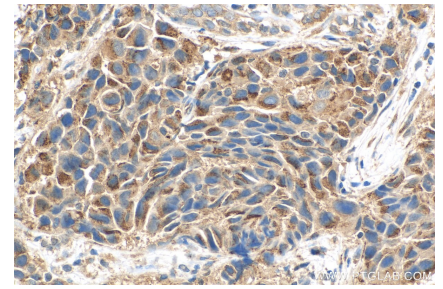
Selected Validation Data



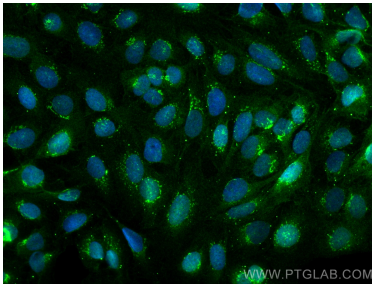
Various lysates were subjected to SDS PAGE followed by western blot with 29760-1-AP (BIRC6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).