

# GBDR1 Polyclonal Antibody

Catalog # AP70049

## Product Information

Application	WB, IHC-P
Primary Accession	<a href="#">Q9BSL1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45338

## Additional Information

Gene ID	10422
Other Names	UBAC1; GBDR1; KPC2; UBADC1; Ubiquitin-associated domain-containing protein 1; UBA domain-containing protein 1; E3 ubiquitin-protein ligase subunit KPC2; Glioblastoma cell differentiation-related protein 1; Kip1 ubiquitination-promoting com
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

Name	UBAC1
Function	Non-catalytic component of the KPC complex, a E3 ubiquitin- protein ligase complex that mediates polyubiquitination of target proteins, such as CDKN1B and NFKB1 (PubMed: <a href="#">15531880</a> , PubMed: <a href="#">15746103</a> , PubMed: <a href="#">16227581</a> , PubMed: <a href="#">25860612</a> ). The KPC complex catalyzes polyubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle (PubMed: <a href="#">15531880</a> , PubMed: <a href="#">15746103</a> ). The KPC complex also acts as a key regulator of the NF-kappa-B signaling by promoting maturation of the NFKB1 component of NF-kappa-B by catalyzing ubiquitination of the NFKB1 p105 precursor (PubMed: <a href="#">25860612</a> ). Within the KPC complex, UBAC1 acts as an adapter that promotes the transfer of target proteins that have been polyubiquitinated by RNF123/KPC1 to the 26S proteasome (PubMed: <a href="#">16227581</a> ).
Cellular Location	Cytoplasm

**Tissue Location**

Ubiquitous..

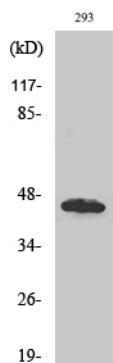
**Background**

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Non-catalytic subunit of the KPC complex that acts as E3 ubiquitin-protein ligase. Required for poly-ubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle.

**Images**

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Western Blot analysis of various cells using GBDR1  
Polyclonal Antibody diluted at 1 : 500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.