10320 Camino Santa Fe, Suite G
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Anti-KPC2 Antibody
Rabbit polyclonal antibody to KPC2
Catalog # AP61009

Specification

Anti-KPC2 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q9BSL1
Other Accession	Q8VDI7
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**45338**

Anti-KPC2 Antibody - Additional Information

Gene ID 10422

Other Names
GBDR1; KPC2; UBADC1; Ubiquitin-associated domain-containing protein 1; UBA domain-containing protein 1; E3 ubiquitin-protein ligase subunit KPC2; Glialblastoma cell differentiation-related protein 1; Kip1 ubiquitination-promoting complex protein 2

Target/Specificity
Recognizes endogenous levels of KPC2 protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100)
IHC~~1:100~500

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-KPC2 Antibody - 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:15531880, PubMed:15746103, PubMed:16227581, PubMed:25860612). The KPC

complex catalyzes polyubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle (PubMed:15531880, PubMed:15746103). 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:25860612). 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:16227581).

Cellular Location
Cytoplasm

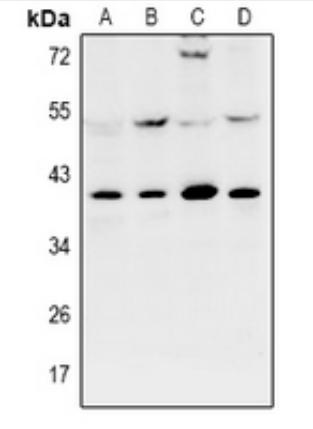
Tissue Location
Ubiquitous..

Anti-KPC2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-KPC2 Antibody - Images



Western blot analysis of KPC2 expression in MCF7 (A), HCT116 (B), PC12 (C), AML12 (D) whole cell lysates.

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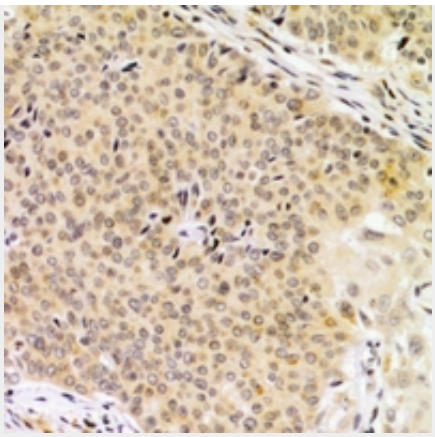

Immunohistochemical analysis of KPC2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-KPC2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human KPC2. The exact sequence is proprietary.