10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

BARON Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1831c

Specification

BARON Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q92622
Other Accession	Q80U62
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**108622**
Antigen Region	**656-684**

BARON Antibody (Center) - Additional Information

Gene ID 9711

Other Names
Run domain Beclin-1 interacting and cysteine-rich containing protein, Rubicon, Beclin-1 associated RUN domain containing protein, Baron, KIAA0226

Target/Specificity
This BARON antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 656-684 amino acids from the Central region of human BARON.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BARON Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

BARON Antibody (Center) - Protein Information

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Name RUBCN (HGNC:28991)

Synonyms KIAA0226

Function Inhibits PIK3C3 activity; under basal conditions negatively regulates PI3K complex II (PI3KC3-C2) function in autophagy. Negatively regulates endosome maturation and degradative endocytic trafficking and impairs autophagosome maturation process. Can sequester UVRAG from association with a class C Vps complex (possibly the HOPS complex) and negatively regulates Rab7 activation (PubMed:20974968, PubMed:21062745).

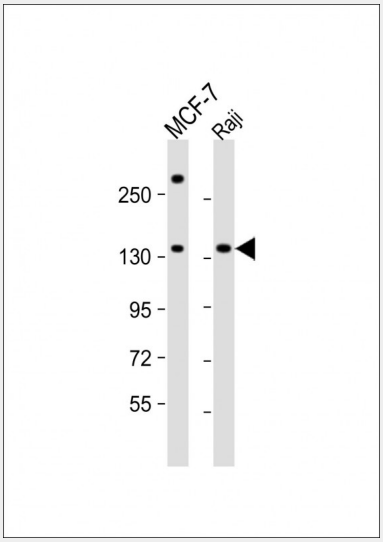
Cellular Location
Late endosome. Lysosome. Early endosome Note=Predominantly located in late endosomes/lysosomes, only partially detected in early endosome and not at all in the Golgi apparatus

BARON Antibody (Center) - Protocols

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

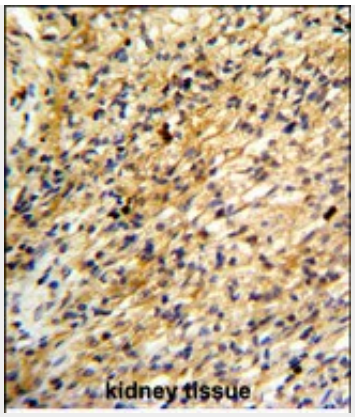
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BARON Antibody (Center) - Images

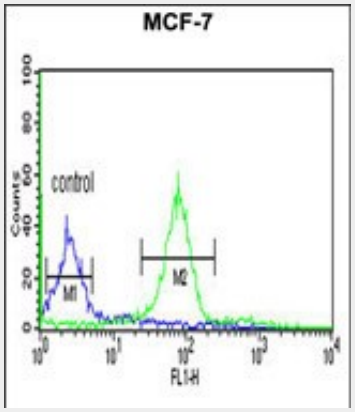


All lanes : Anti-BARON Antibody (Center) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: Raji whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 109 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Formalin-fixed and paraffin-embedded human kidney reacted with BARON Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



BARON Antibody (Center) (Cat. #AP1831c) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

BARON Antibody (Center) - References

Matsunaga, K., et al. Nat. Cell Biol. 11(4):385-396(2009)
Muzny, D.M., et al. Nature 440(7088):1194-1198(2006)
Venter, J.C., et al. Science 291(5507):1304-1351(2001)