

Rabbit anti-Human BARON Polyclonal Antibody | anti-KIAA0226 antibody

BARON Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284744	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

BARON; Polyclonal Antibody; BARON Antibody (N-term); Run domain Beclin-1 interacting and cysteine-rich containing protein; Rubicon; Beclin-1 associated RUN domain containing protein; Baro; KIAA0226; anti-KIAA0226 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BARON antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-271 amino acids from the N-terminal region of human BARON.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.36 (varies by lot)
Sequence Positions	241-271
Sequence Length	921
Applicable Applications for anti-KIAA0226 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of MDA-231 cells using BARON Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human lymph with BARON Antibody (N-term), 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.



IF (Immunofluorescence)

Fluorescent image of U251 cells stained with BARON (N-term) antibody. U251 cells were treated with Chloroquine (50 uM, 16h), then fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA284744 BARON (N-term) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). BARON immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.



WB (Western Blot)

Western blot analysis of BARON antibody (N-term) in MCF-7 cell line lysates (35ug/lane). BARON (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Product Categories/Family for anti-KIAA0226 antibody	Cancer; Cardiovascular; Cell Biology; Metabolism; Autophagy
References	References for U251 cell line: 1. Westermarck B.; Pontén J.; Hugosson R. (1973)." Determinants for the establishment of permanent tissue culture lines from human gliomas". Acta Pathol Microbiol Scand A. 81:791-805. [PMID: 4359449]. 2. Pontén, J., Westermarck B. (1978)." Properties of Human Malignant Glioma Cells in Vitro". Medical Biology 56: 184-193.[PMID: 359950]. 3. Geng Y.; Kohli L.; Klocke B.J.; Roth K.A.(2010). "Chloroquine-induced autophagic vacuole accumulation and cell death in glioma cells is p53 independent". Neuro Oncol. 12(5): 473-481.[PMID: 20406898]. AP1831a

NCBI AND UNIPROT INFORMATION

NCBI GI #	224548938
NCBI GeneID	9711
NCBI Accession #	NP_001139114.1; NP_055502.1
NCBI GenBank Nucleotide #	NM_001145642.3
UniProt Accession #	Q92622; Q96CK5
Molecular Weight	108622
NCBI Official Full Name	run domain Beclin-1 interacting and cysteine-rich containing protein isoform 1
NCBI Official Synonym Full Names	KIAA0226
NCBI Official Symbol	KIAA0226
NCBI Official Synonym Symbols	SCAR15; RUBICON
NCBI Protein Information	run domain Beclin-1 interacting and cysteine-rich containing protein
UniProt Protein Name	Run domain Beclin-1 interacting and cysteine-rich containing protein
UniProt Gene Name	KIAA0226
UniProt Synonym Gene Names	Rubicon; Baron
UniProt Entry Name	RUBIC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/baron-antibody-flow-cytometry-immunohistochemistry-immunofluorescence-western-blot-elisa/284744>