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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07159 - Goat Anti-AKT2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: AKT2, v-akt murine thymoma viral oncogene homolog 2, PKKBETA, PRKBB, RAC-BETA, Murine thymoma viral (v-akt) homolog-2, rac protein kinase beta

Official Symbol: AKT2

Accession Number(s): NP_001617.1

Human GeneID(s): [208](#)

Immunogen

Peptide with sequence C-YKERPEAPDQTLP, from the internal region of the protein sequence according to NP_001617.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:1000.

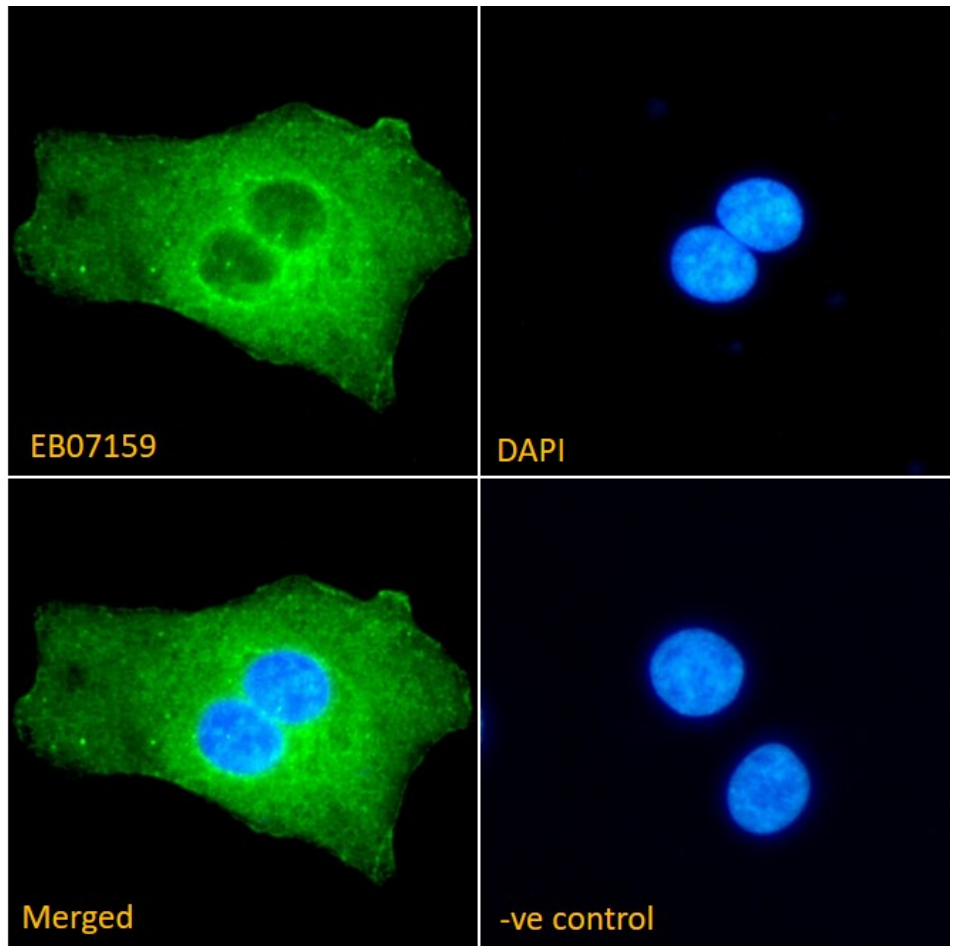
Immunofluorescence: Strong expression of the protein seen in the cytoplasm, vesicles and plasma membranes of A549 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

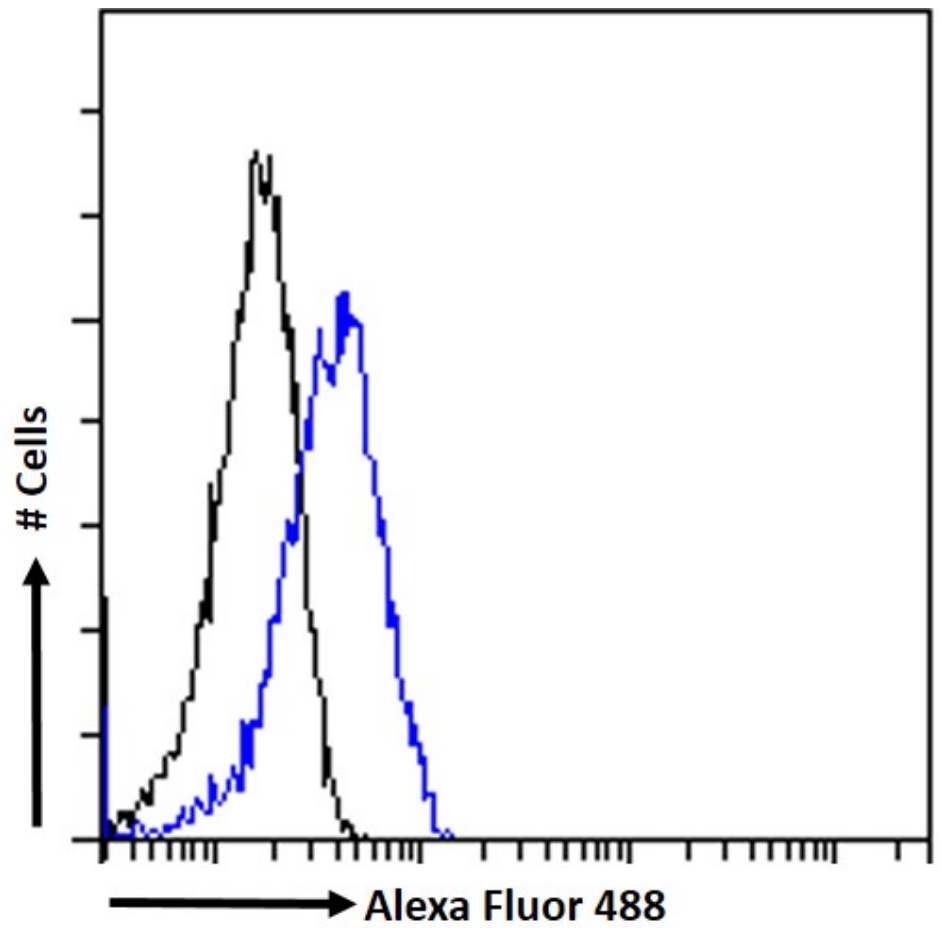
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat



EB07159 Immunofluorescence analysis of paraformaldehyde fixed A549. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic, vesicles and membrane staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.



EB07159 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.