

pAKTS473 antibody

#Cat: NB-19-0018

Size: 0,1ml

Immunogen Data

Description: The serine/threonine kinase AKT, also known as protein kinase B (PKB), is an important signaling mediator downstream of growth factors, cytokines, and other cellular stimuli. Aberrant loss or gain of AKT activation has been linked to diseases such as type-2 diabetes and cancer.

Immunogen: Phosphorylated synthetic peptide corresponding to a sequence of AKT surrounding serine 473.

Alternative names: Protein Kinase B.

RAC-Alpha Serine/Threonine-Protein Kinase.

UniProt ID: P31749

Mol. Weight: 60 kDa.

Antibody Data

Host: rabbit.

Clonality: polyclonal.

Species Reactivity: rat, mouse and human **Concentration:**

serum

Volume: 100 ml **Purity:** serum

Storage Buffer: serum containing 0.05% sodium azide.

Storage Instructions: Store at 4°C.

Applications

Tested Applications: pAKT^{S473} antibody is recommended for detection of AKT phosphorylated in serine 473 of mouse, rat and human origin by Western Blotting. The antibody does not cross-react with non phosphorylated AKT and can be used for immunoprecipitation.

Recommended Dilutions:

WB: 1:5000

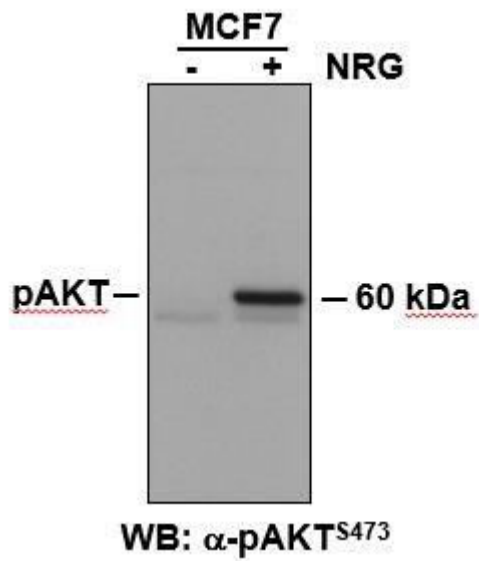
IP: 1 ml

References

(1) Montero JC, Seoane S, Ocaña A, Pandiella A. P-Rex1 participates in Neuregulin-ErbB signal transduction and its expression correlates with patient outcome in breast cancer. *Oncogene*. 2011 Mar 3;30(9):1059-71.

(2) Montero JC, Rodríguez-Barrueco R, Pandiella A. Transautocrine signaling by membrane neuregulins requires cell surface targeting, which is controlled by multiple domains. *J Biol Chem*. 2011 Jul 8;286(27):24350-63.

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Western blot analysis of pAKT (S473) expression in human MCF7 cell treated or not with the HER agonist Neuregulin (NRG). 50 µg of whole cell extracts were loaded in each of the two gel lanes

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