

Anti-Phospho-AKT2 (S474) Antibody

Catalog Number: P00725

About AKT2

AKT2 is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. This gene is mapped to 19q13.2. AKT2 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. AKT2 seems also to be the principal isoform responsible of the regulation of glucose uptake. AKT2 is also specifically involved in skeletal muscle differentiation, one of its substrates in this process being ANKRD2. Overexpression of AKT2 contributes to the malignant phenotype of a subset of human ductal pancreatic cancers.

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Overview

Product Name	Anti-Phospho-AKT2 (S474) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-AKT2 (S474) Antibody catalog # P00725. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P31751

Technical Details

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Immunogen	A synthesized peptide derived from human Akt2 around the phosphorylation site of Ser474.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Immunocytochemistry/Immunofluorescence, 1:50-200

[Anti-Phospho-AKT2 \(S474\) Antibody](#)

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