

AKT1 2 3 (Phospho-Ser472 Ser473 Ser474) Antibody HRP Conjugated

Catalog No: #C00478H

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Description

Product Name	AKT1 2 3 (Phospho-Ser472 Ser473 Ser474) Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 450-480 480 derived from human AKT1 around the phosphorylation site of Ser473
Conjugates	HRP
Target Name	AKT1 2 3 (Ser472 Ser473 Ser474)
Other Names	Akt; RAC-alpha serine threonine-protein kinase; Protein kinase B; PKB; Protein kinase B alpha; PKB alpha; RAC-PK-alpha; Akt1
Accession No.	Swiss-Prot#P47196NCBI Gene ID24185
Uniprot	P47196
GeneID	24185;
Excitation Emission	N A
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

Background

AKT1-specific substrates have been recently identified, including palladin (PALLD), which phosphorylation modulates cytoskeletal organization and cell motility; prohibitin (PHB), playing an important role in cell metabolism and proliferation; and CDKN1A, for which phosphorylation at 'Thr-145' induces its release from CDK2 and cytoplasmic relocation. These recent findings indicate that the AKT1 isoform has a more specific role in cell motility and proliferation. Phosphorylates CLK2 thereby controlling cell survival to ionizing radiation.

Note: This product is for in vitro research use only