

ARG30038 Phospho Akt Antibody Duo (pS473 pT308)

Package: 1 pair

Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG51558	anti-Akt phospho (Ser473) antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	50 µl
ARG51559	anti-Akt phospho (Thr308) antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	50 µl

Summary

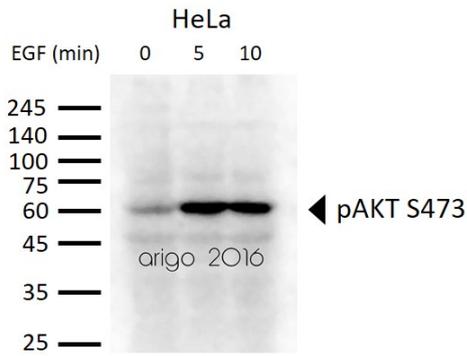
Product Description	Akt, also known as Protein kinase B (PKB), is a serine/threonine-specific protein kinase that plays a key role in multiple cellular processes such as glucose metabolism, apoptosis, cell proliferation, transcription and cell migration. AKT can be phosphorylated by 3-phosphoinositide dependent protein kinase 1 (PDK1) at threonine 308 (Thr308). In the other hand, serine 473 (Ser473) is phosphorylated by the mTOR complex 2 (mTORC2) and DNA-dependent protein kinase (DNA-PK). AKT activity is dependent on the phosphorylation of Thr308 or Ser473 residues. ARG30038 and ARG30039 AKT phospho Duos, including antibodies recognize total Akt protein or phosphorylated Akt at Ser473 or Thr308, are designed for the scientists to study Akt regulation signaling.
Target Name	Akt
Alternate Names	Phospho Akt antibody; Akt phospho (Ser473) antibody; Akt phospho (Thr308) antibody

Properties

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

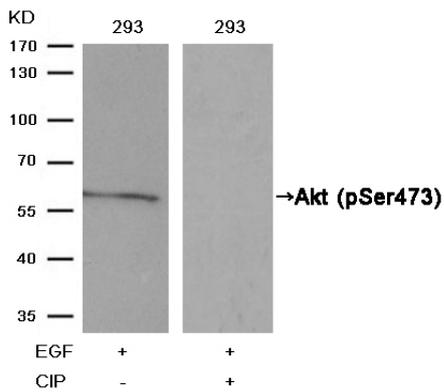
Bioinformation

Gene Full Name	Antibody Duo for Phospho Akt (pS473 pT308)
Research Area	Cancer antibody; Cell Death antibody; Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody



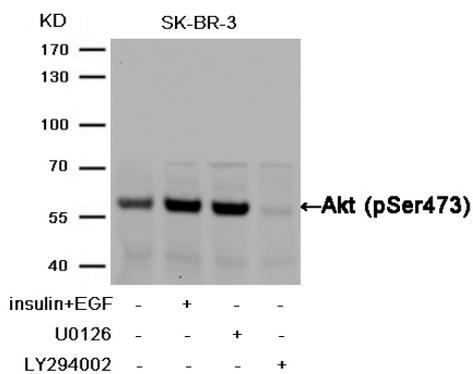
ARG51558 anti-Akt phospho (Ser473) antibody WB image

Western blot: 30 µg of HeLa cells untreated or treated with EGF. Lysates stained with ARG51558 anti-Akt phospho (Ser473) antibody at 1:500 dilution.



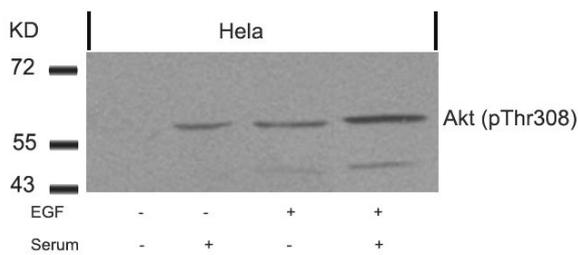
ARG51558 anti-Akt phospho (Ser473) antibody WB image

Western Blot: extracts from 293 cells, treated with EGF or calf intestinal phosphatase (CIP), stained with anti-Akt (phospho Ser473) antibody ARG51558.



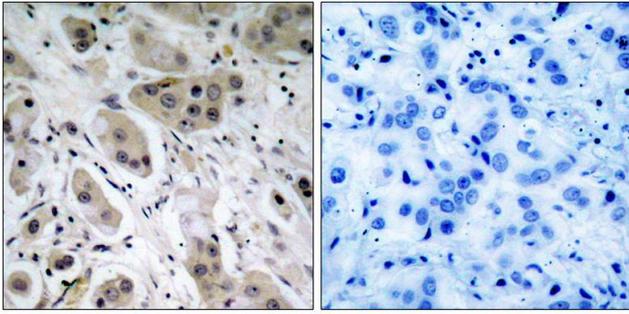
ARG51558 anti-Akt phospho (Ser473) antibody WB image

Western Blot: extracts from SK-BR-3 cells, treated with insulin and EGF, and pretreated with U0126 and LY294002 cells stained with anti-Akt (phospho Ser473) antibody ARG51558.



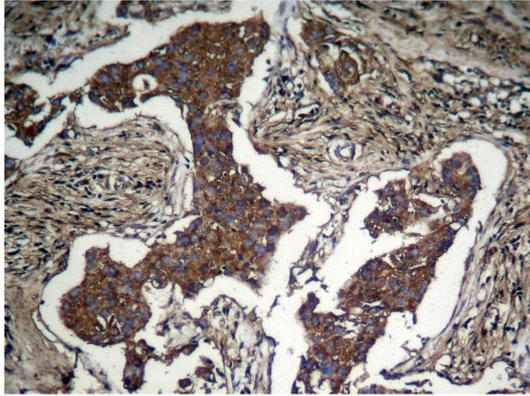
ARG51559 anti-Akt phospho (Thr308) antibody WB image

Western Blot: extracts from HeLa cells untreated or treated with EGF, serum or both stained with anti-Akt (phospho Thr308) antibody ARG51559.



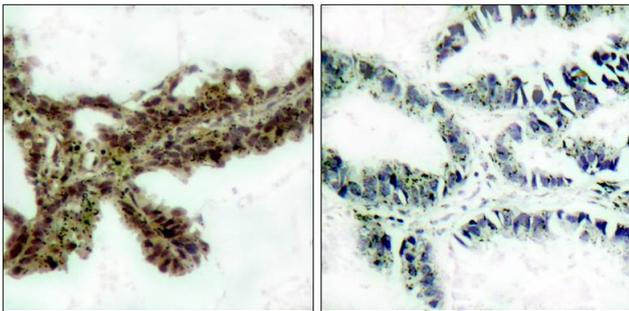
ARG51558 anti-Akt phospho (Ser473) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with anti-Akt (phospho Ser473) antibody ARG51558 (left) or the same antibody preincubated with blocking peptide (right).



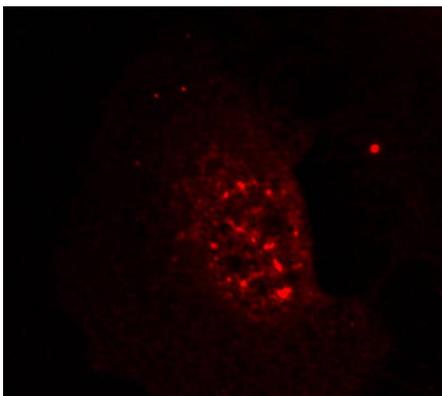
ARG51558 anti-Akt phospho (Ser473) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human Lung carcinoma tissue stained with anti-Akt (phospho Ser473) antibody ARG51558.



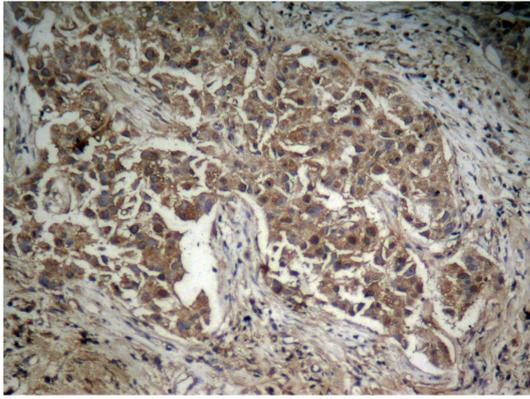
ARG51559 anti-Akt phospho (Thr308) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human lung carcinoma tissue, stained with anti-Akt (phospho Thr308) antibody ARG51559 (left) or the same antibody preincubated with blocking peptide (right).



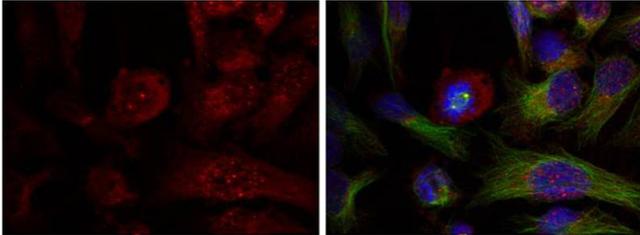
ARG51559 anti-Akt phospho (Thr308) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells showing nuclear dot staining stained with anti-Akt (phospho Thr308) antibody ARG51559.



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