

**bs-10724R****[ Primary Antibody ]****AKT2 Rabbit pAb****Bioss**  
**ANTIBODIES**

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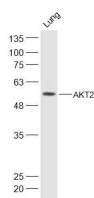
sales@bioss.com.cn

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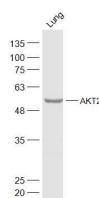
400-901-9800

**— DATASHEET —**

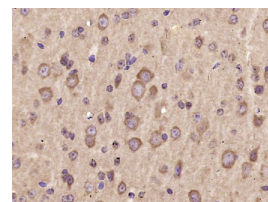
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 208	<b>SWISS:</b> P31751	<b>IHC-F</b> (1:100-500)
<b>Target:</b> AKT2		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human AKT2: 21-120/481.		<b>Reactivity:</b> Mouse, Rat (predicted: Pig, Cow, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 56 kDa
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus
<b>Background:</b> This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

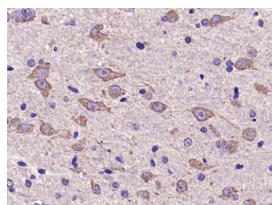
Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-AKT2 (bs-10724R) at 1/500 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD  
Observed band size: 56 kD



Sample: Lung (Rat) Lysate at 40 ug Primary: Anti-AKT2 (bs-10724R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (AKT2) Polyclonal Antibody, Unconjugated (bs-10724R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

(AKT2) Polyclonal Antibody, Unconjugated  
(bs-10724R) at 1:400 overnight at 4°C, followed  
by conjugation to the secondary antibody  
(labeled with HRP) and DAB staining.

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## — SELECTED CITATIONS —

- **[IF=5.714]** Chenglin Li. et al. Ranitidine as an adjuvant regulates macrophage polarization and activates CTLs through the PI3K-Akt2 signaling pathway. INT IMMUNOPHARMACOL. 2023 Mar;116:109729 WB ;Mouse.  
10.1016/j.intimp.2023.109729