

# Product Datasheet

## AKT1 [p Ser473] Antibody (EP2109Y) NB100-79891

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-79891**

AKT1 [p Ser473] Antibody (EP2109Y)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EP2109Y
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Tissue culture supernatant
Buffer	49% PBS, 0.05% BSA and 50% Glycerol
Target Molecular Weight	55.7 kDa
Product Description	
Host	Rabbit
Gene ID	207
Gene Symbol	AKT1
Species	Human, Mouse, Rat
Specificity/Sensitivity	The antibody detects Akt1 phosphorylated at Serine 473.
Immunogen	A phospho specific peptide corresponding to residues surrounding Ser473 of human Akt1 was used as immunogen.
Notes	Produced using Abcam's RabMab® technology. RabMab® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:100-250, Immunohistochemistry-Paraffin 1:100-250



## Publications

- Zhang Xn, Yang Kd, Chen C Et Al. Pericytes augment glioblastoma cell resistance to temozolomide through CCL5-CCR5 paracrine signaling Cell research 2021-07-08 [PMID: 34239070] (IHC-P)
- Bousquet Mur E, Bernardo S, Papon L et al. Notch inhibition overcomes resistance to Tyrosine Kinase Inhibitors in EGFR-driven lung adenocarcinoma J. Clin. Invest. 2019-10-31 [PMID: 31671073]
- Mikkelsen Jakob H, Resch Zachary T, Kalra Bhanu et al. Indirect targeting of IGF receptor signaling in vivo by substRate-selective inhibition of PAPP-A proteolytic activity. Oncotarget 2014-01-01 [PMID: 24572990] (WB, Mouse)
- Bouzo Lorenzo M. Definition of phosphorylation acceptor sites in the ghrelin receptor (GHSR1a): key elements determining functionality. Thesis. 2015-11-01 (WB, Human)
- Davidge Pitts C, Escande CJ, Conover CA. Preferential expression PAPP-A in human preadipocytes from omental fat. J. Endocrinol. 2014-04-29 [PMID: 24781252] (WB, Human)
- Blanco-Aparicio C, Canamero M, Cecilia Y et al. Exploring the gain of function contribution of AKT to mammary tumorigenesis in mouse models. PLoS One 2010-02-01 [PMID: 20174572] (IF/IHC)
- Renner O, Blanco-Aparicio C, Grassow M et al. Activation of phosphatidylinositol 3-kinase by membrane localization of p110alpha predisposes mammary glands to neoplastic transformation. Cancer Res 2008-12-01 [PMID: 19047141] (IF/IHC)
- Pommier AJ, Alves G, Viennois E et al. Liver X Receptor activation downregulates AKT survival signaling in lipid rafts and induces apoptosis of prostate cancer cells. Oncogene 2010-05-01 [PMID: 20190811] (ICC/IF)
- Kunoh T, Noda T, Koseki K et al. A Novel Human Dynactin-Associated Protein, dynAP, Promotes Activation of Akt, and Ergosterol-Related Compounds Induce dynAP-Dependent Apoptosis of Human Cancer Cells . ,Mol Cancer Ther 9 2934-2942. 2010-01-01 [PMID: 20978158]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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