



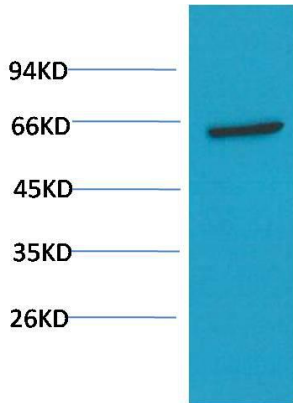
ELK Biotechnology

AKT (1H2) Mouse mAb
Catalog NO.: EM1271
For research use only.

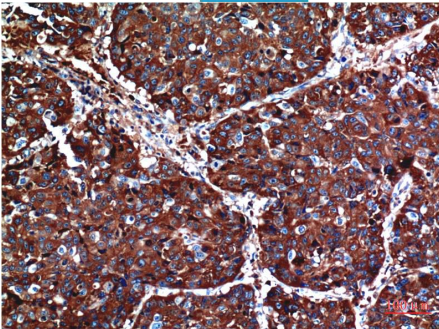
Overview

Product name	AKT (1H2) Mouse Monoclonal antibody
Source	Mouse
Applications	WB IHC
Species reactivity	Human
Recommended dilutions	WesternBlot:1/1000-2000 Immunohistochemistry:1/100-200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	60kDa
GeneID (Human)	207
Human Swiss-Prot No.	P31749
Cellular localization	CytoplasmNucleusCell membrane
Alternative Names	c Akt antibody MGC9965 antibody Protein kinase B antibody RAC antibody PRKBA antibody
Background	Akt 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. Akt1 is involved in cellular survival pathways by inhibiting apoptotic processes. Akt1 is also able to induce protein synthesis pathways and is therefore a key signaling protein in the cellular pathways that lead to skeletal muscle hypertrophy and general

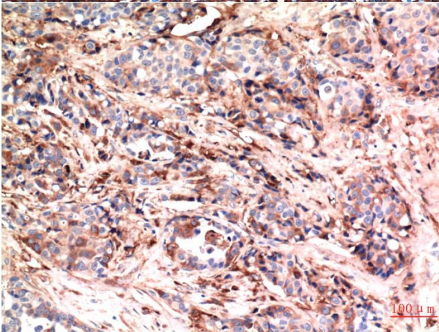
tissue growth.



Western blot analysis of PC3 Cell Lysate using Akt (EM1271) Mouse mAb diluted at:1000.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using Akt (EM1271) Mouse mAb diluted at:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using Akt (EM1271) Mouse mAb diluted at:200.