

## Product datasheet for **TA398354**

### **AKT2 Rat Monoclonal Antibody [Clone ID: 16G11.E8]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	16G11.E8
Applications:	WB
Recommended Dilution:	<b>WB:</b> User Optimized
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Specificity:	The kit is designed to detect both unphosphorylated and phosphorylated forms of the protein. Cross reactivity with AKT2 from other species has not been determined, however, the sequence of the immunogen shows 100% identity to human, mouse, and rat, therefore, cross reactivity is expected. Cross-reactivity with AKT1 and AKT3 has not been determined. This kit contains sufficient substrate for up to 5 mini blots at 7.5 x 8 cm <sup>2</sup> (1,800 cm <sup>2</sup> ) and is stable for at least 1 year when stored as indicated.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	See kit insert for complete instructions.
Stability:	See kit insert for complete instructions.
Database Link:	<a href="#">P31751</a>



[View online »](#)

- Background:** Rockland Immunochemicals' Chemiluminescent Western Blot Kit for AKT2 combines all of the necessary reagents with a rapid proven protocol and the extremely high signal detection of our luminol chemiluminescent substrate for the detection of native and/or recombinant human AKT2 protein. AKT2 Western Blotting kit allows for the detection of endogenous protein levels of human AKT2 present in cell lysates provided by the user. As a positive control, this kit includes a MDA-MB468 whole cell lysate proven to contain AKT2. After protein separation by SDS-PAGE and transfer, the membrane is probed with Rockland's optimized Anti-AKT2 antibody. Detection of the membrane bound antibody-antigen complex is achieved by the addition of a secondary antibody conjugated to the enzyme horseradish peroxidase. The enzyme reacts with a specialized formulation of luminol, an extremely sensitive, non-radioactive substrate that emits light and allows visualization using X-ray film or other imaging methods, including highly sensitive CCD cameras and imaging systems. AKT2 Western Blotting is ideal for investigators involved in Cell Signaling, Cancer, Neuroscience and Signal Transduction research.
- Synonyms:** AKT 2 western blotting, AKT-2, AKT 2 antibody, AKT-2, PKB antibody, PKB beta antibody, PKBBETA antibody, PRKBB antibody, Protein kinase Akt 2 antibody, Protein kinase B beta antibody, RAC-beta serine/threonine-protein kinase, RAC-PK-beta, western blotting kit, Chemiluminescent WB, Western Blotting Kit, Chemiluminescent Kit, Peroxidase Kit, Immunoblotting Kit
- Note:** Use Rockland Immunochemicals' Anti-AKT2 Chemiluminescent Kit for Western Blotting for detection of human AKT2 native and recombinant proteins by western blot. Expect a band approximately 56 kDa in size corresponding to AKT2 protein. This kit is useful for both western blotting and dot blotting methods. Please read the entire product insert prior to use.