

DESCRIPTION

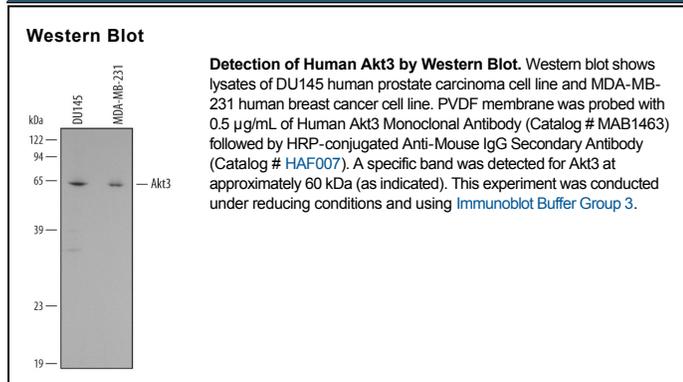
Species Reactivity	Human
Specificity	Detects endogenous human Akt3 in Western blots. Using Western blots, this antibody does not detect recombinant human Akt1 or Akt2.
Source	Monoclonal Mouse IgG ₁ Clone # 199864
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Akt3 Met1-Glu479 Accession # Q9Y243
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Akt3 (v-akt murine thymoma viral oncogene homolog 3), also known as protein kinase B gamma (PKBγ) and RAC-gamma serine/threonine kinase (RAC-PK-γ), is a member of the Akt family that also includes Akt1 (PKBα) and Akt2 (PKBβ). These highly homologous kinases are central in such diverse cellular processes as glucose uptake, cell cycle progression, and apoptosis. All three Akts contain an amino-terminal pleckstrin homology domain, a central kinase domain, and a carboxyl-terminal regulatory domain.