Human Akt3 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 199864

Catalog Number: FAB1463N

100 µg

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	*E. coli*-derived recombinant human Akt3 Met1-Glu479 Accession # Q9Y243
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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