

Goat anti-AKT3 Antibody

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| Item Number | dAP-0558 |
| Target Molecule | Principle Name: AKT3; Official Symbol: AKT3; All Names and Symbols: AKT3; PKBG; PRKBG; STK-2; RAC-gamma; RAC-PK-gamma; DKFZP434N0250; v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma); protein kinase B gamma; serine threonine protein kinase, Akt-3; RAC-gamma serine/threonine protein kinase; PKB-GAMMA; Accession Number (s): NP_005456.1; NP_859029.1; Human Gene ID(s): 10000; Non-Human GeneID(s): |
| Immunogen | CSPTSQIDNIGEEEM, is from internal region This antibody is expected to recognise an epitope corresponding to aa 119-133 of both isoforms of human AKT3 protein. This antibody does not cross-react with human AKT1/2. Reported variants represent identi- |
| Applications | Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Supplied As | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Peptide ELISA | Peptide ELISA: antibody detection limit dilution 1 to 16000. |
| Western Blot | Western Blot: A 50-55kDa band observed in lysates of cell lines HepG2 and Jurkat and in Mouse and Rat Brain lysates (calculated MW of 54.0kDa according to NP_859029.1). Recommended concentration: 1-3µg/ml. |
| IHC | Immunohistochemistry: Paraffin embedded Human Prostate and Heart. Recommended concentration: 5µg/ml. |
| Reference | Reference(s): Zinda MJ, Johnson MA, Paul JD, Horn C, Konicek BW, Lu ZH, Sandusky G, Thomas JE, Neubauer BL, Lai MT, Graff JR. AKT-1, -2, and -3 are expressed in both normal and tumor tissues of the lung, breast, prostate, and colon. Clin Cancer Res. 2001 Aug;7(8):2475-9. PMID: 11489829 -> |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**