Genesis Biotech Inc.
http://www.genesisbio.com.tw
info@genesisbio.com.tw

TEL: +886-2-22181731
FAX: +886-2-22181732
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Anti-Serine/threonine protein kinase 3 (AKT3), Chicken-Polyclonal Antibody

Catalog No. PY-10200 **Quantity:** 100μg **Applications:** ELISA
Antigen species: Human **Reactivity:** Human, mouse, rat
Host species: Chicken **Form:** Antigen affinity-purified antibody

Target description

This protein is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1).

Antigen

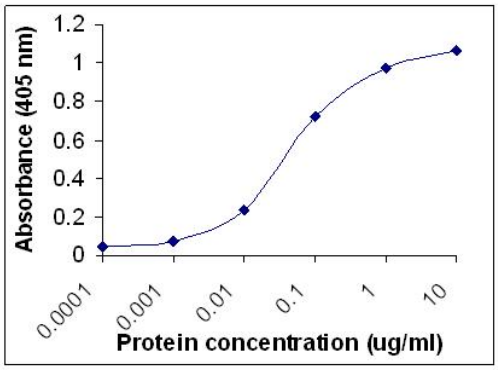
This polyclonal antibody was raised by immunizing chicken with AKT3 (124-144 amino acids).

Application

Western blotting, tissue or cell immuno-staining. Recommended starting dilution for Western blot analysis is 1: 500, for tissue or cell staining is 1: 200 and 0.5μg/ml for ELISA. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti-serine/threonine protein kinase (AKT), Chicken pAb (PY-10176)
2. Anti-serine/threonine protein kinase1 (AKT1), Chicken pAb (PY-10178)
3. Anti-serine/threonine protein kinase2 (AKT2), Chicken pAb (PY-10279)



Free peptide as test antigen.

Direct Elisa Test:

Affi-pure IgY as primary antibody (0.1μg/ml) and Goat anti-IgY HRP as 2nd antibody

Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References:

1. Zinda, M.J., Johnson, M.A., Paul, J.D., Horn, C., Konicek, B.W., Lu, Z.H., Sandusky, G., Thomas, J.E., Neubauer, B.L., Lai, M.T. and Graff, J.R. AKT-1, -2, and -3 are expressed in both normal and tumor tissues of the lung, breast, prostate, and colon *JOURNAL Clin. Cancer Res.* 7 (8), 2475-2479 (2001)