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Date: 11/02/2010

Anti-Serine/threonine protein kinase2 (AKT2), Chicken-Polyclonal Antibody

Catalog No. PY-10179 **Quantity:** 100μg **Applications:** ELISA
Antigen species: Human **Reactivity:** Human, mouse, rat
Host species: Chicken **Form:** Antigen affinity-purified antibody

Target description

AKT2 is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. Furthermore, AKT2 was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression of AKT2 contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. AKT2 is a general protein kinase capable of phophorylating several known proteins.

Antigen

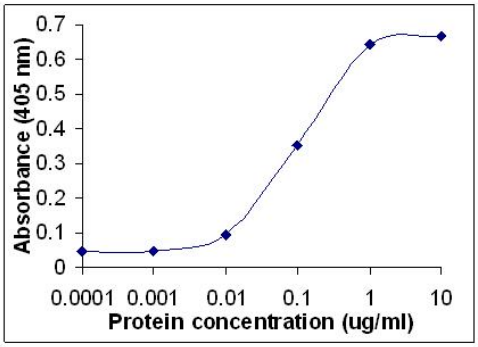
This polyclonal antibody was raised by immunizing chicken with AKT2 (108-124 amino acids).

Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1: 500, for tissue or cell staining is 1: 200. 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 kinase3 (AKT3), Chicken pAb (PY-10200)



Free peptide as test antigen (5ug/ml).

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. Cheng, J.Q., Ruggeri, B., Klein, W.M., Sonoda, G., Altomare, D.A., Watson, D.K., Testa, J.R. Amplification of AKT2 in human pancreatic cancer cells and inhibition of AKT2 expression and tumorigenicity by antisense RNA. *Proc. Nat. Acad. Sci.* 93: 3636-3641, 1996.