



CDK7 (Phospho-Thr170) Antibody

E11-0857A

Catalog Number: E11-0857A

Concentration: 1mg/ml

Swiss-Prot No.: P50613

Other Names: 39 kDa protein kinase, CAK, CAK1, CDK-activating kinase, CDKN7, CR4 protein kinase, CRK4, Cell division protein kinase 7, EC 2.7.11.22, EC 2.7.11.23, MO15, MPK-7, P39 Mo15, Protein-tyrosine kinase MPK-7, STK1, TFIIF basal complex kinase subunit, kinase Cdk7

All Sites: Human: Thr170; Mouse: Thr170

Storage/Stability: Store at -20 °C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human CDK7 around the phosphorylation site of threonine 170

(A-Y-T^P-H-Q).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity: CDK7 (Phospho-Thr170) antibody detects endogenous levels of CDK7 only when phosphorylated at threonine 170.

Reactivity: Human, Mouse

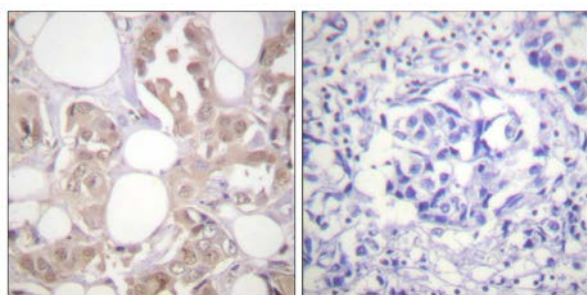
Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
ELISA: 1:20000

References:

J. Matt Kim, Biol Reprod, May 2001; 64: 1400.

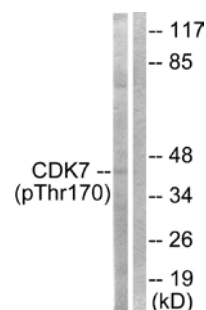
Ann Yee, Cancer Res., Dec 1995; 55: 6058 - 6062.

Saya Ito. Genes Cells, Oct 2004; 9: 983 - 992.



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using CDK7 (Phospho-Thr170) antibody.



Calyculin A + +
P-peptide - +

Western blot analysis of extracts from HeLa cells, treated with Calyculin A (50nM, 30mins), using CDK7 (Phospho-Thr170) antibody.

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