



## Retinoic Acid Receptor $\alpha$ (Phospho-Ser77) Antibody

E 11-8217A

**Catalog Number:** E11-8217A

**Concentration: 1mg/ml**

**Swiss-Prot No.:** P10276

**Other Names:** NR1B1; RAR-alpha; Retinoic acid receptor alpha; retinoic acid receptor, alpha; RRA

**All Sites:** Human: Ser77; Mouse: Ser77; Rat: Ser74

**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 Retinoic Acid Receptor  $\alpha$  around the phosphorylation site of serine 77 (P-P-S<sup>P</sup>-P-P).

**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:** Retinoic Acid Receptor  $\alpha$  (Phospho-Ser77) antibody detects endogenous levels of Retinoic Acid Receptor  $\alpha$  only when phosphorylated at serine 77.

**Reactivity:** Human (Identities = 100%, Positives = 100%);  
Mouse (Identities = 100%, Positives = 100%);  
Rat (Identities = 100%, Positives = 100%)

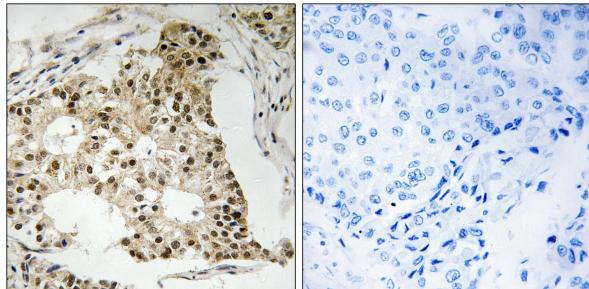
**Applications:** WB: 1:500~1:1000      IHC: 1:50~1:100  
ELISA: 1:5000~1:10000

## References:

Giguere V., Nature 330:624-629(1987).

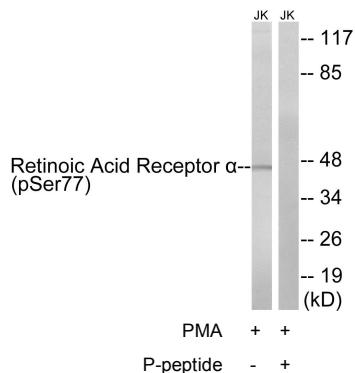
Chen Z., Proc. Natl. Acad. Sci. U.S.A. 91:1178-1182(1994).

Hjalt T.A.H., Mamm. Genome 10:528-529(1999).



P-peptide - +

## Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using Retinoic Acid Receptor $\alpha$ (Phospho-Ser77) antibody.



Western blot analysis of extracts from Jurkat cells treated with PMA (125ng/ml, 30mins), using Retinoic Acid Receptor  $\alpha$  (Phospho-Ser77) antibody.

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