

Phospho-Retinoic Acid Receptor alpha (Ser77) Ab

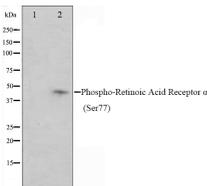
[Images\(8\)](#)

Cat.#: AF0050
Size: 100ul,200ul,50ul

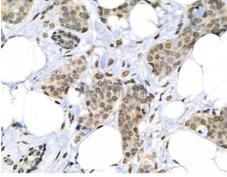
Concn.: ~1mg/ml
Source: Rabbit

Mol.Wt.: 45kDa
Clonality: Polyclonal

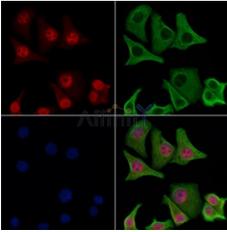
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|---------------|---|
| Application: | WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 *The optimal dilutions should be determined by the end user. |
| Reactivity: | Human,Mouse,Rat |
| Purification: | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns. |
| Immunogen: | A synthesized peptide derived from human Retinoic Acid Receptor alpha around the phosphorylation site of Ser77. |
| Uniprot: | P10276 |
| Description: | RARA is a receptor for retinoic acid, a potent mammalian morphogen and teratogen that has profound effects on vertebrate development. RARA is a member of the nuclear receptor superfamily. Controls cell function by directly regulating gene expression. Its phosphorylation is crucial for transcriptional activity. Aberrations involving RARA may be a cause of acute promyelocytic leukemia. Two splice-variant isoforms have been described. |
| Storage: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. |



Western blot analysis on Jurkat cell lysates using Phospho-Retinoic Acid Receptor alpha (Ser77) Ab, The lane on the left was treated with the antigen-specific peptide.



AF0050 at 1/100 staining Human mammary cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



AF0050 staining HeLa cells(heat shock treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF0050) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.

The nuclear counter stain is DAPI (blue).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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