

Product Data Sheet

Purified anti-RAR α

Catalog # / Size: 616801 / 50 μ l (5 Western blots)
 616802 / 200 μ l (20 Western blots)

Clone: Poly6168

Isotype: Rabbit IgG

Immunogen: Recombinant (partial), N-terminal amino acids 1-100

Reactivity: Human

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20° C.

Applications:

Applications: WB - *Quality tested*
 ChIP - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 μ l per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Ren MQ, *et al.* 2005. *Mol. Cell. Biol.* 25:10591. (ChIP)PubMed

Description: RAR α (retinoic acid receptor alpha) is a 51 kD member of the nuclear hormone receptor family, NR1 subfamily. This nuclear protein contains modulating, DNA-binding, and steroid binding domains, and has been reported to have multiple isoforms. RAR α is a nuclear receptor for retinoic acid that controls cell function by regulating gene expression and inducing profound effects on vertebrate development, acting as a morphogen and powerful teratogen. RAR α is increased by protein kinase C stimulation, and estrogen; decreased at G0/G1 to S phase of cell cycle and in lymphocytes by cellular activation. RAR α can be modified by phosphorylation and has been shown to interact with NCOA3 and NCOA6 co-activators leading to strong increases in the transcription of target genes. The Poly6168 antibody recognizes the N-terminal region of human RAR α and has been shown to be useful for Western blotting.

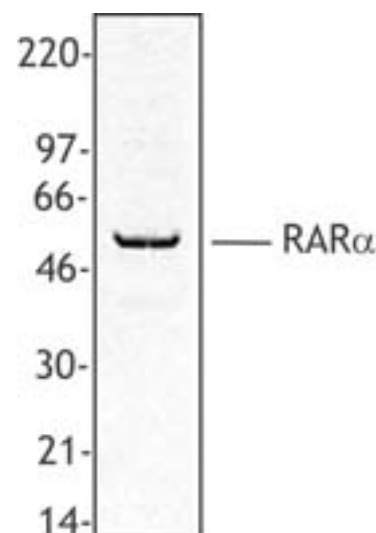
Antigen References: 1. Giguere V, *et al.* 1987. *Nature* 330:624.
 2. Petkovich M, *et al.* 1987. *Nature* 330:444.

Related Products:

Product
 Purified anti-NCOA3/SRC3
 Purified anti-NCOA3/SRC3
 Purified anti-RAR γ 1
 HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
 Poly6091
 Poly6092
 Poly6166
 Poly4064

Application
 WB
 WB
 WB
 ELISA, IHC, WB



MOLT-4 nuclear extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-RAR α antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biollegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.