

For Research Use Only

RARA Polyclonal antibody

Catalog Number:10331-1-AP **10 Publications**



Basic Information

Catalog Number: 10331-1-AP	GenBank Accession Number: BC008727	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 5914	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P10276	
Isotype: IgG	Full Name: retinoic acid receptor, alpha	
Immunogen Catalog Number: AG0420	Calculated MW: 51 kDa	
	Observed MW: 50-60 kDa	

Applications

Tested Applications: WB, IHC, IP, ELISA	Positive Controls: WB : K-562 cells, MCF-7 cells IP : HeLa cells, IHC : human breast cancer tissue, human testis tissue, human colon cancer tissue
Cited Applications: WB, IHC, IF, CoIP	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Retinoic acid receptors (RARs) function as nuclear receptors that control gene expression in response to binding of the ligand retinoic acid (RA). Retinoic acid receptor alpha (RARα), also known as NR1B1 (nuclear receptor subfamily 1, group B, member 1), plays an essential role in the regulation of retinoic acid-induced germ cell development during spermatogenesis. Formation of a complex with histone deacetylases might lead to inhibition of RARE DNA element binding and to transcriptional repression (PubMed:28167758). Transcriptional activation and RARE DNA element binding might be supported by the transcription factor KLF2 (PubMed:28167758).

Notable Publications

Author	Pubmed ID	Journal	Application
Shyi-Jang Shin	33065162	Metabolism	WB,IHC
Zhen Yu	35278669	Cell Signal	WB
Lu Wang	36482192	Br J Cancer	WB

Storage

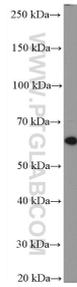
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

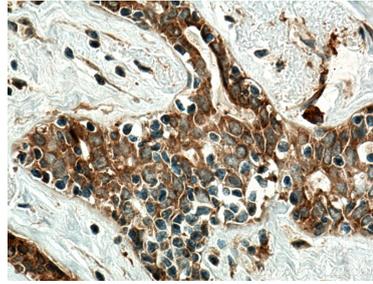
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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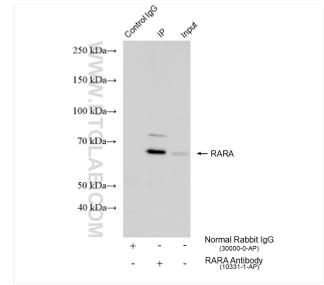
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 10331-1-AP (RARA antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10331-1-AP (RARA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-RARA (IP:10331-1-AP, 4ug; Detection:10331-1-AP 1:2000) with HeLa cells lysate 1760 ug.