

For Research Use Only

ER Polyclonal antibody

Catalog Number: 21244-1-AP

Featured Product

139 Publications



Basic Information

Catalog Number: 21244-1-AP	GenBank Accession Number: BC128573	Purification Method: Antigen affinity purification
Concentration: 600 ug/ml	GeneID (NCBI): 2099	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P03372	
Isotype: IgG	Full Name: estrogen receptor 1	
Immunogen Catalog Number: AG15738	Calculated MW: 595 aa, 66 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HeLa cells, mouse testis tissue, NIH/3T3 cells, rat testis tissue, MCF-7 cells IHC : human cervical cancer tissue,
Cited Applications: WB, IHC, IF, CoIP	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat, bovine, goat	
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

The estrogen receptor (ESR, ER) is a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. ESR1, also known as ESR or NR3A1, belongs to the nuclear hormone receptor family and NR3 subfamily. It is a nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. ESR1 can activate the transcriptional activity of TFF1.[PMID: 11731608,10970861]

Notable Publications

Author	Pubmed ID	Journal	Application
Hao Li	36123318	Phytother Res	WB
Xiaojuan Shao	33014211	Can J Infect Dis Med Microbiol	
Ying Fu	27815936	Croat Med J	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

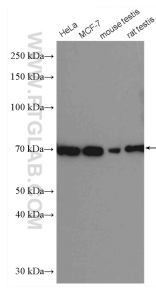
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E: Proteintech-CN@ptglab.com

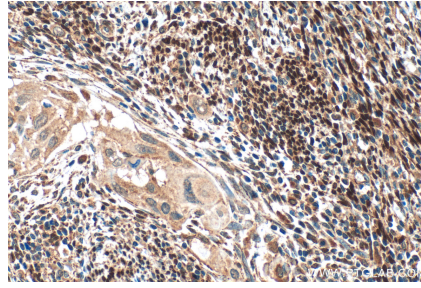
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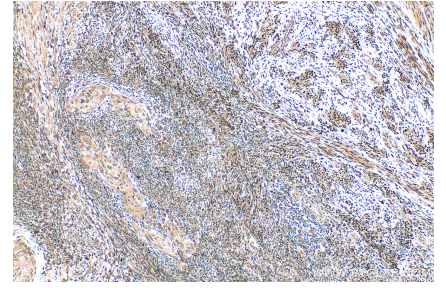
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21244-1-AP (ER antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 21244-1-AP (ER antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 21244-1-AP (ER antibody) at dilution of 1:200 (under 0x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).