

For Research Use Only

ER Polyclonal antibody

Catalog Number: 20698-1-AP **1 Publications**



Basic Information

Catalog Number: 20698-1-AP	GenBank Accession Number: NM_000125	Purification Method: Antigen affinity purification
Concentration: 500 ug/ml	GeneID (NCBI): 2099	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P03372	IHC 1:50-1:500
Isotype: IgG	Full Name: estrogen receptor 1	IF/ICC 1:200-1:800
	Calculated MW: 66 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : MCF-7 cells,
Species Specificity: human	IHC : human breast cancer tissue, human cervical cancer tissue
Cited Species: human	IF/ICC : MCF-7 cells,
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
Yunlong Lu	39353239	Eur J Med Chem	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:

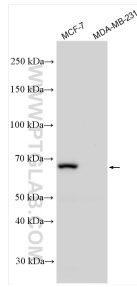
T: 4006900926

E: Proteintech-CN@ptglab.com

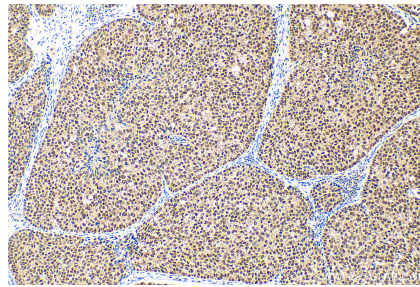
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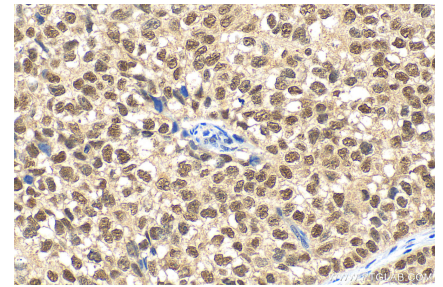
Selected Validation Data



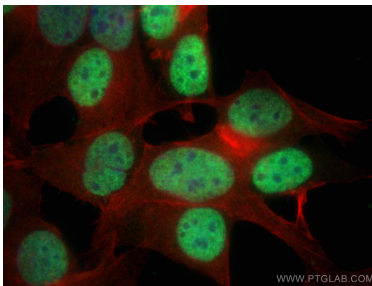
Various lysates were subjected to SDS PAGE followed by western blot with 20698-1-AP (ER antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20698-1-AP (ER antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20698-1-AP (ER antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using ER antibody (20698-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).