

For Research Use Only

# NR2F1 Polyclonal antibody

Catalog Number: 24573-1-AP

Featured Product

7 Publications



## Basic Information

Catalog Number:

24573-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0118

GenBank Accession Number:

BC004154

GeneID (NCBI):

7025

UNIPROT ID:

P10589

Full Name:

nuclear receptor subfamily 2, group F, member 1

Calculated MW:

50 kDa

Observed MW:

46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells, PC-3 cells, NIH/3T3 cells

IHC : human stomach cancer tissue, human ovary tissue

## Background Information

NR2F1 (Nuclear receptor subfamily 2, group F, member 1), also known as COUP-TF1, is an orphan nuclear receptor belonging to the superfamily of steroid/thyroid hormone receptors and acting as a strong transcriptional regulator. NR2F1 has a DNA binding domain (DBD) consisting of two conserved Zinc-finger motifs and a ligand-binding domain (LBD). NR2F1 also plays an epigenetic role in mediating global histone modifications by interacting with or recruiting chromatin-remodeling enzymes. NR2F1 can be a biomarker of tumor dormancy that promotes quiescence of various types of cancer cells, including breast, prostate, and squamous cell carcinoma of the head and neck (PMID: 35740627).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiuju Liang	36230565	Cancers (Basel)	WB, IHC
Joshua E Burda	35614216	Nature	IHC
Xiao Yang	33990215	J Exp Clin Cancer Res	IHC

## 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

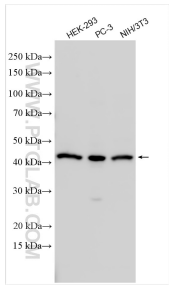
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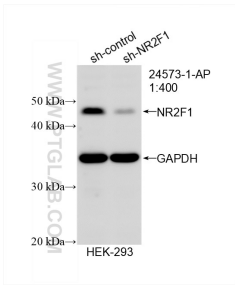
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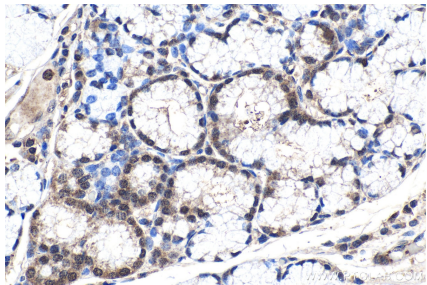
Selected Validation Data



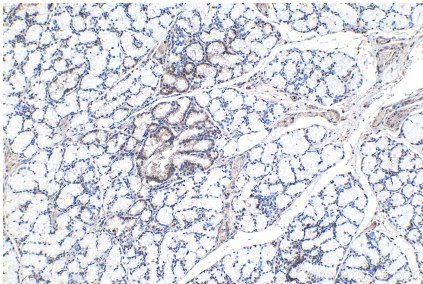
Various lysates were subjected to SDS PAGE followed by western blot with 24573-1-AP (NR2F1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



WB result of NR2F1 antibody (24573-1-AP; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-NR2F1 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 24573-1-AP (NR2F1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 24573-1-AP (NR2F1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).