

Datasheet for ABIN7299298
anti-HNF4A antibody (pSer313)



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3 Images

Overview

Quantity:	100 µL
Target:	HNF4A
Binding Specificity:	pSer313
Reactivity:	Human, Mouse, Rat, Cow, Pig, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNF4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HNF4 alpha.
Specificity:	Recognizes endogenous levels of HNF4 alpha (pS313) protein.
Characteristics:	Rabbit polyclonal antibody to HNF4 alpha (pS313)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	HNF4A
Alternative Name:	HNF4 alpha (HNF4A Products)

Target Details

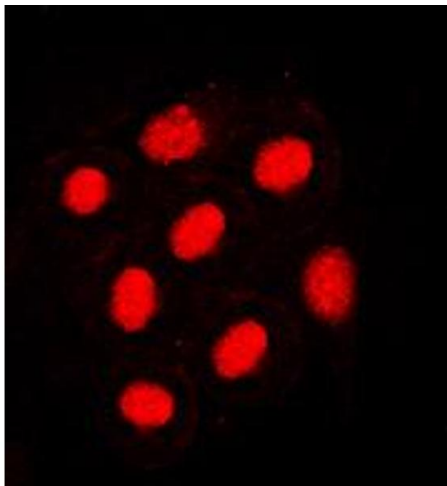
Background:	HNF4, NR2A1, TCF14, Hepatocyte nuclear factor 4-alpha, HNF-4-alpha, Nuclear receptor subfamily 2 group A member 1, Transcription factor 14, TCF-14, Transcription factor HNF-4
Gene ID:	3172, 15378, 25735
UniProt:	P41235 , P49698 , P22449
Pathways:	AMPK Signaling , Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway , Carbohydrate Homeostasis , Cell-Cell Junction Organization , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

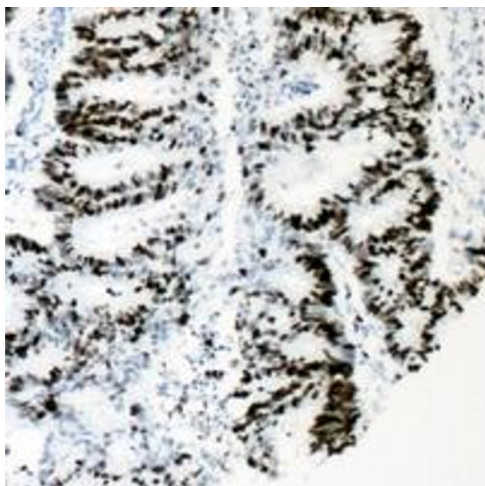
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



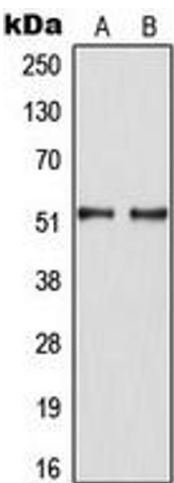
Immunofluorescence

Image 1. Immunofluorescent analysis of HNF4 alpha (pS313) staining in SW480 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry

Image 2. Immunohistochemical analysis of HNF4 alpha (pS313) staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 3. Western blot analysis of HNF4 alpha (pS313) expression in SW480 (A), HepG2 EGF-treated (B) whole cell lysates.