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Datasheet for ABIN3029046
anti-SOCS4 antibody (AA 227-254)

5 Images

Overview

Quantity:	0.4 mL
Target:	SOCS4
Binding Specificity:	AA 227-254
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOCS4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 227-254 from the human protein was used as the immunogen for this SOCS4 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	SOCS4
Alternative Name:	SOCS4 (SOCS4 Products)
Background:	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. Substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and

Target Details

subsequent proteasomal degradation of target proteins. Inhibits EGF signaling by mediating the degradation of the Tyr-phosphorylated EGF receptor/EGFR. [UniProt]

UniProt: [Q8WXH5](#)

Pathways: [JAK-STAT Signaling](#), [EGFR Signaling Pathway](#)

Application Details

Application Notes: Titration of the SOCS4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

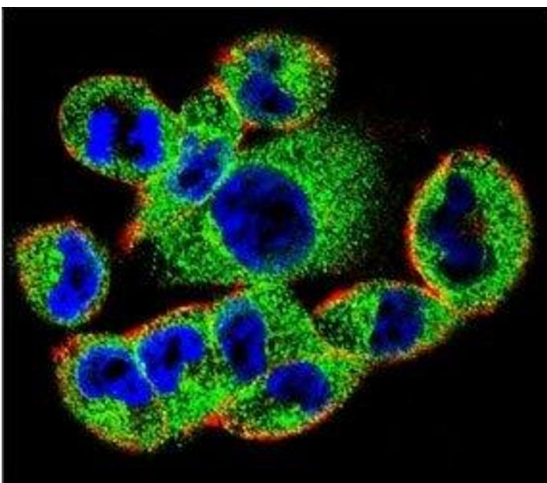
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

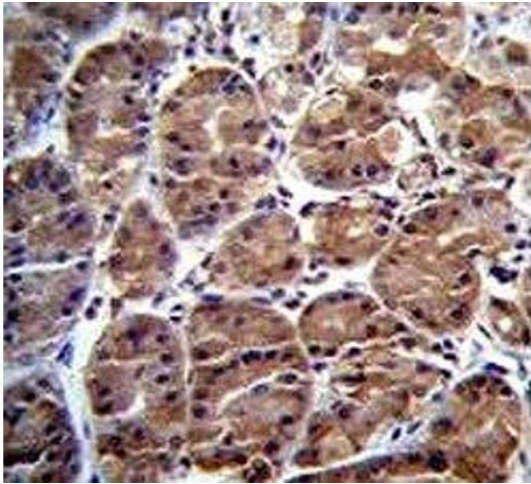
Storage Comment: Aliquot the SOCS4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Immunofluorescence

Image 1. Confocal immunofluorescent analysis of SOCS4 antibody with A2058 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (b



Immunohistochemistry

Image 2. SOCS4 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue.



Western Blotting

Image 3. Western blot analysis of lysate from MCF-7 cell line using SOCS4 antibody diluted at 1:1000 for each lane.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3029046.