

WSB1 Antibody

Catalog # ASC11918

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9Y6I7
Other Accession	NP_056441 , 18677720
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47432
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	WSB1 antibody can be used for detection of WSB1 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	26118
Other Names	WD repeat and SOCS box-containing protein 1, WSB-1, SOCS box-containing WD protein SWiP-1, WSB1, SWIP1
Target/Specificity	WSB1; WSB1 antibody is human specific.
Reconstitution & Storage	WSB1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	WSB1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	WSB1
Synonyms	SWIP1
Function	Probable substrate-recognition component of a SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Recognizes type II iodothyronine deiodinase/DIO2. Confers constitutive instability to HIPK2 through proteasomal degradation.

Background

The WD repeat and SOCS box-containing 1 (WSB1, also known as SWIP1), is a member of the WD-protein subfamily (1). It contains six WD-repeats spanning most of the protein and an SOCS box in the C-terminus and expressed as multiple alternatively spliced isoforms (1,2). WSB1 is thought to function as part of an SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin ligase complex that mediates the ubiquitination and proteasomal degradation of target proteins, such as DIO2 (3). Overexpression of WSB1 is implicated in pancreatic cancer progression, suggesting a role for WSB1 in carcinogenesis (4,5).

References

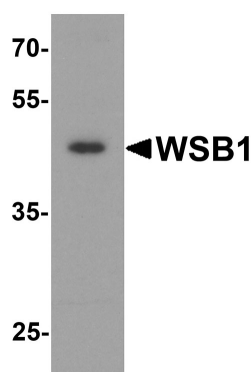
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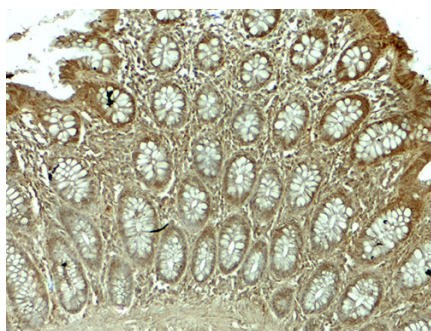
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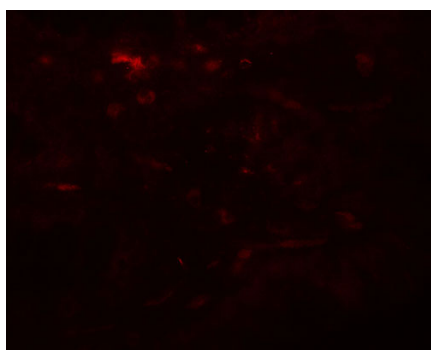
Images



Western blot analysis of WSB1 in human colon tissue lysate with WSB1 antibody at 1 µg/ml.



Immunohistochemistry of WSB1 in human colon tissue with WSB1 antibody at 5 µg/mL.



Immunofluorescence of WSB1 in human colon tissue with WSB1 antibody at 20 µg/mL.