

ASB4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP13246b

Specification

ASB4 Antibody (C-term) - Product Information

Application IHC-P, WB,E Primary Accession Q9Y574

Other Accession <u>NP_057200.1</u>, <u>NP_665879.1</u>

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Polyclonal
Rabbit IgG
Astronomy
226-255

ASB4 Antibody (C-term) - Additional Information

Gene ID 51666

Other Names

Ankyrin repeat and SOCS box protein 4, ASB-4, ASB4

Target/Specificity

This ASB4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-255 amino acids from the C-terminal region of human ASB4.

Dilution

IHC-P~~1:10~50 WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ASB4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ASB4 Antibody (C-term) - Protein Information

Name ASB4





Function Probable substrate-recognition component of a SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes differentiation and maturation of the vascular lineage by an oxygen-dependent mechanism (By similarity). Also acts as a negative regulator of GPS1, a component of the COP9 signalosome (CSN) multiprotein complex, thereby inhibiting the serine phosphorylation of IRS1 (By similarity). Regulates IRS4 levels by directing its degradation via ubiquitination and thereby decreases the downstream signal of IRS4 (PubMed:21955513). Plays a critical role during early vascular development and proper placentation. Mechanistically, negatively regulates the transcriptional regulator inhibitor of DNA binding 2/ID2 expression through polyubiquitination and proteasome dependent degradation (PubMed:24586788).

Cellular Location

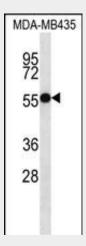
Cytoplasm {ECO:0000250|UniProtKB:Q9WV71}.

ASB4 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

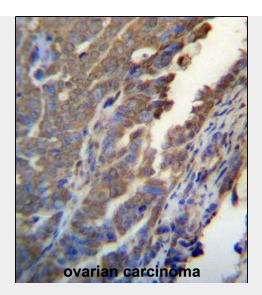
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ASB4 Antibody (C-term) - Images



ASB4 Antibody (C-term) (Cat. #AP13246b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the ASB4 antibody detected the ASB4 protein (arrow).





ASB4 Antibody (C-term) (Cat. #AP13246b)immunohistochemistry analysis in formalin fixed and paraffin embedded human ovarian carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ASB4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ASB4 Antibody (C-term) - Background

The protein encoded by this gene is a member of the ankyrin repeat and SOCS box-containing (ASB) family of proteins. They contain ankyrin repeat sequence and SOCS box domain. The SOCS box serves to couple suppressor of cytokine signalling (SOCS) proteins and their binding partners with the elongin B and C complex, possibly targeting them for degradation. Multiple alternatively spliced transcript variants have been described for this gene but some of the full length sequences are not known.

ASB4 Antibody (C-term) - References

Li, J.Y., et al. J. Neuroendocrinol. 17(6):394-404(2005) Kile, B.T., et al. Trends Biochem. Sci. 27(5):235-241(2002) Kile, B.T., et al. Gene 258 (1-2), 31-41 (2000):