10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ASB2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17253a

Specification

ASB2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96Q27
Other Accession	NP_057234.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**70212**
Antigen Region	**58-86**

ASB2 Antibody (N-term) - Additional Information

Gene ID 51676

Other Names
Ankyrin repeat and SOCS box protein 2, ASB-2, ASB2

Target/Specificity
This ASB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-86 amino acids from the N-terminal region of human ASB2.

Dilution
WB~~1:1000

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
ASB2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ASB2 Antibody (N-term) - Protein Information

Name ASB2

Function 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 (PubMed:16325183, PubMed:15590664). Mediates Notch- induced ubiquitination and degradation of substrates including TCF3/E2A and JAK2 (PubMed:21119685). Required during embryonic heart development for complete heart looping (By similarity). Required for cardiomyocyte differentiation (PubMed:32179481).

Cellular Location
Cytoplasm, cytoskeleton, stress fiber

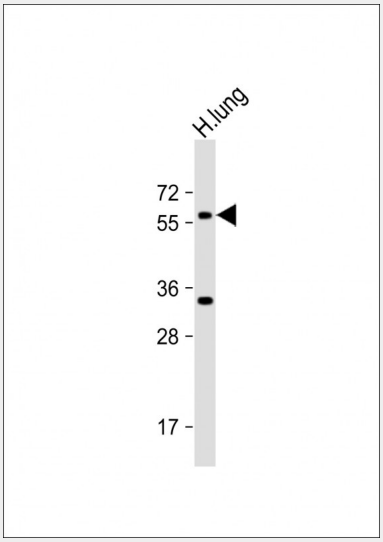
Tissue Location
[Isoform 1]: Expressed in muscle cells.

ASB2 Antibody (N-term) - Protocols

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

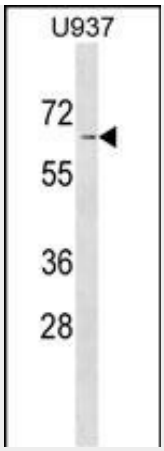
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ASB2 Antibody (N-term) - Images



Anti-ASB2 Antibody (N-term) at 1:1000 dilution + human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



ASB2 Antibody (N-term) (Cat. #AP17253a) western blot analysis in U937 cell line lysates (35ug/lane).This demonstrates the ASB2 antibody detected the ASB2 protein (arrow).

ASB2 Antibody (N-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. This gene is induced by all-trans retinoic acid. In myeloid leukemia cells, the expression of this encoded protein has been shown to induce growth inhibition and chromatin condensation. Multiple alternatively spliced transcript variants have been described for this gene but their full length sequences are not known.

ASB2 Antibody (N-term) - References

Heuze, M.L., et al. Blood 112(13):5130-5140(2008)
Kohroki, J., et al. FEBS Lett. 579(30):6796-6802(2005)
Heuze, M.L., et al. J. Biol. Chem. 280(7):5468-5474(2005)
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)
Namciu, S.J., et al. Mamm. Genome 15(3):162-178(2004)