

Rabbit Anti-ASB3/Biotin Conjugated antibody

SL7736R-Bio

Product Name	Anti-ASB3/Biotin
Chinese Name	生物素标记的锚蛋白重复序列-cell factor 信号抑制物盒蛋白家族 3 抗体
Alias	Ankyrin repeat and SOCS box containing 3; Ankyrin repeat and SOCS box containing protein 3; Ankyrin repeat and SOCS box protein 3; ASB-3; ASB3; ASB3_HUMAN; Weakly similar to ankyrin brain variant 2.
Research Area	Cell biology Cyclin Cell differentiation Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Dog,Cow,Rabbit) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	57kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human ASB3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: Members of the suppressor of cytokine signaling (SOCS) family of proteins contain C-terminal regions of homology called the SOCS box, which serves to couple SOCS proteins and their binding partners with the elongin B and C complex. Serveral other families of proteins also contain SOCS boxes but differ from the SOCS proteins in the type of domain they contained upstream of the SOCS box. Four members of the ankyrin repeat and SOCS

box-containing (ASB) protein family are identified and termed as ASB-1, ASB-2, ASB-3 and ASB-4. ASB-1 is expressed in multiple organs, including the hematopoietic compartment. ASB-1 knock-out mice display a diminution of spermatogenesis with less complete filling of seminiferous tubules. Asb-2 is a novel retinoic-acid (RA)-induced gene in acute promyelocytic leukemia (APL) cells and its expression induces growth-inhibition and chromatin condensation recapitulating early events critical to RA-induced differentiation of APL cells. ASB-2 is directly induced by all-trans retinoic acid, by the binding of RARα to the RAR binding element/RXR binding element in the Asb-2 promoter.

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. Recognizes TNFRSF1B.

Subunit:

Interacts with TCEB2 and TNFRSF1B.

Similarity:

Contains 11 ANK repeats.

Contains 1 SOCS box domain.

Database links:

UniProtKB/Swiss-Prot: Q9Y575.1

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.