

Rabbit Anti-ASB3/AP Conjugated antibody

SL7736R-AP

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| Product Name | Anti-ASB3/AP |
| Chinese Name | 碱性磷酸酶 (AP) 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 |
| 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. |
| Storage | 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. |
| 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. Serval 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 RAR α 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.