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ASXL1 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP11132c

Specification

ASXL1 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q8IXJ9

ASXL1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 171023

Other Names
Putative Polycomb group protein ASXL1, Additional sex combs-like protein 1, ASXL1, KIAA0978

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ASXL1 Antibody (Center) Blocking peptide - Protein Information

Name ASXL1

Synonyms KIAA0978

Function
Probable Polycomb group (PcG) protein involved in transcriptional regulation mediated by ligand-bound nuclear hormone receptors, such as retinoic acid receptors (RARs) and peroxisome proliferator-activated receptor gamma (PPARG) (PubMed:16606617). Acts as a coactivator of RARA and RXRA through association with NCOA1 (PubMed:16606617). Acts as a corepressor for PPARG and suppresses its adipocyte differentiation-inducing activity (By similarity). Non- catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1) (PubMed:20436459). Acts as a sensor of N(6)- methyladenosine methylation on DNA (m6A): recognizes and binds m6A DNA, leading to its ubiquitination and degradation by TRIP12, thereby inactivating the PR-DUB complex and regulating Polycomb silencing (PubMed:30982744).

Cellular Location

Nucleus.

Tissue Location
Widely expressed at low level. Expressed in heart, brain, skeletal muscle, placenta, pancreas, spleen, prostate, small intestine, colon, peripheral blood, leukocytes, bone marrow and fetal liver. Highly expressed in testes.

ASXL1 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

ASXL1 Antibody (Center) Blocking peptide - Images

ASXL1 Antibody (Center) Blocking peptide - Background

This gene is similar to the Drosophila additional sexcombs gene, which encodes a chromatin-binding protein required fornormal determination of segment identity in the developing embryo.The protein is a member of the Polycomb group of proteins, whichare necessary for the maintenance of stable repression of homeoticand other loci. The protein is thought to disrupt chromatin inlocalized areas, enhancing transcription of certain genes whilerepressing the transcription of other genes. The protein encoded bythis gene functions as a ligand-dependent co-activator for retinoicacid receptor in cooperation with nuclear receptor coactivator 1.Mutations in this gene are associated with myelodysplasticsyndromes and chronic myelomonocytic leukemia. Alternative splicingresults in multiple transcript variants.

ASXL1 Antibody (Center) Blocking peptide - References

Abdel-Wahab, O., et al. Leukemia 24(9):1656-1657(2010)Szpurka, H., et al. Leuk. Res. 34(8):969-973(2010)Sugimoto, Y., et al. Br. J. Haematol. 150(1):83-87(2010)Boultwood, J., et al. Leukemia 24(6):1139-1145(2010)Rocquain, J., et al. BMC Cancer 10, 401 (2010) :