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APR3 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9660c

Specification

APR3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q6UW56

APR3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 51374

Other Names
All-trans retinoic acid-induced differentiation factor, Apoptosis-related protein 3, APR-3, p18, ATRAID, APR3, C2orf28

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.

APR3 Antibody (Center) Blocking Peptide - Protein Information

Name ATRAID (HGNC:24090)

Synonyms APR3, C2orf28

Function
Promotes osteoblast cell differentiation and terminal mineralization. Plays a role in inducing the cell cycle arrest via inhibiting CCND1 expression in all-trans-retinoic acid (ATRA) signal pathway. In osteoclasts, forms a transporter complex with ATRAID for nitrogen-containing-bisphophonates (N-BPs) required for releasing N-BP molecules that have trafficked to lysosomes through fluid-phase endocytosis into the cytosol (PubMed:29745899).

Cellular Location
Nucleus envelope. Cell membrane; Single-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Note=Colocalizes with NELL1 on the nuclear envelope and the perinuclear region (PubMed:21723284)

Tissue Location
Weakly expressed in hematopoietic cell lines.

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APR3 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

APR3 Antibody (Center) Blocking Peptide - Images

APR3 Antibody (Center) Blocking Peptide - Background

APR3 may play a critical role in inducing the cell cycle arrest via inhibiting CCND1 expression in all-trans-retinoic acid (ATRA) signal pathway.

APR3 Antibody (Center) Blocking Peptide - References

Yu, F., et al. Biochem. Biophys. Res. Commun. 358(4):1041-1046(2007)Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)Zhu, F., et al. BioTechniques 29(2):310-313(2000)