

DULLARD Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12805c**Specification**

DULLARD Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O95476](#)**DULLARD Antibody (Center) Blocking peptide - Additional Information****Gene ID** 23399**Other Names**

CTD nuclear envelope phosphatase 1, Serine/threonine-protein phosphatase dullard, CTDNEP1, DULLARD

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.

DULLARD Antibody (Center) Blocking peptide - Protein Information**Name** CTDNEP1**Synonyms** DULLARD**Function**

Serine/threonine protein phosphatase forming with CNEP1R1 an active phosphatase complex that dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol. May antagonize BMP signaling.

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein

Tissue Location

Muscle specific with lower expression in other metabolic tissues.

DULLARD Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DULLARD Antibody (Center) Blocking peptide - Images**DULLARD Antibody (Center) Blocking peptide - Background**

Serine/threonine phosphatase which may be required for proper nuclear membrane morphology. Involved in LPIN1 dephosphorylation. May antagonize BMP signaling.

DULLARD Antibody (Center) Blocking peptide - References

Kim, Y., et al. Proc. Natl. Acad. Sci. U.S.A. 104(16):6596-6601(2007)Zhang, Y., et al. Mol. Cell 24(5):759-770(2006)Satow, R., et al. Dev. Cell 11(6):763-774(2006)Satow, R., et al. Biochem. Biophys. Res. Commun. 295(1):85-91(2002)