

IL17RD Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9631a**Specification**

IL17RD Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q8NFM7](#)
Other Accession [NP_060033](#)

IL17RD Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 54756

Other Names

Interleukin-17 receptor D, IL-17 receptor D, IL-17RD, IL17Rhom, Interleukin-17 receptor-like protein, Sef homolog, hSef, IL17RD, IL17RLM, SEF

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.

IL17RD Antibody (N-term) Blocking Peptide - Protein Information

Name IL17RD

Synonyms IL17RLM, SEF

Function

Feedback inhibitor of fibroblast growth factor mediated Ras- MAPK signaling and ERK activation (PubMed:12958313, PubMed:12807873). Regulates the nuclear ERK signaling pathway by spatially blocking nuclear translocation of activated ERK without inhibiting cytoplasmic phosphorylation of ERK (PubMed:15239952). Mediates JNK activation and may be involved in apoptosis (By similarity). May inhibit FGF-induced FGFR1 tyrosine phosphorylation (By similarity). Might have a role in the early stages of fate specification of GnRH-secreting neurons (By similarity). Inhibits TGFB-induced epithelial-to-mesenchymal transition in lens epithelial cells (By similarity).

Cellular Location

Golgi apparatus membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein. Note=Predominantly associated with the Golgi apparatus and is partially

translocated to the plasma membrane upon stimulation

Tissue Location

Expressed in umbilical vein endothelial cells and in several highly vascularized tissues such as kidney, colon, skeletal muscle, heart and small intestine. Highly expressed in ductal epithelial cells of salivary glands, seminal vesicles and the collecting tubules of the kidney. Isoform 1 is also highly expressed in both fetal and adult brain, pituitary, tonsils, spleen, adenoids, fetal kidney, liver, testes and ovary. Isoform 1 is also expressed at moderate levels in primary aortic endothelial cells and adrenal medulla, and at low levels in adrenal cortex. Isoform 4 is specifically and highly expressed in pituitary, fetal brain and umbilical vein endothelial cells.

IL17RD Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

IL17RD Antibody (N-term) Blocking Peptide - Images**IL17RD Antibody (N-term) Blocking Peptide - Background**

Fibroblast growth factors (FGFs; see MIM 603726) are secreted proteins involved in cellular proliferation, migration, differentiation, and survival. FGF activity is negatively regulated by members of the 'sprouty' family (e.g., SPRY1, MIM 602465). The SEF protein is a modulator of FGF signaling.

IL17RD Antibody (N-term) Blocking Peptide - References

Rong, Z., et al. Cell Res. 19(2):208-215(2009)Ren, Y., et al. Cell. Signal. 20(3):518-533(2008)Zisman-Rozen, S., et al. Oncogene 26(41):6093-6098(2007)