

XPR1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18387a**Specification**

XPR1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UBH6](#)**XPR1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9213**Other Names**

Xenotropic and polytropic retrovirus receptor 1, Protein SYG1 homolog, Xenotropic and polytropic murine leukemia virus receptor X3, X-receptor, XPR1, SYG1, XR

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.

XPR1 Antibody (N-term) Blocking Peptide - Protein Information**Name** XPR1 {ECO:0000303|PubMed:31043717}**Function**

Inorganic ion transporter that mediates phosphate ion export across plasma membrane. Plays a major role in phosphate homeostasis, preventing intracellular phosphate accumulation and possible calcium phosphate precipitation, ultimately preserving calcium signaling. The molecular mechanism of phosphate transport, whether electrogenic, electroneutral or coupled to other ions, remains to be elucidated (PubMed:23791524, PubMed:25938945, PubMed:31043717) (By similarity). Binds inositol hexakisphosphate (Ins6P) and similar inositol polyphosphates, such as 5-diphospho-inositol pentakisphosphate (5- InsP7), important intracellular signaling molecules involved in regulation of phosphate flux (PubMed:27080106).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Widely expressed. Detected in spleen, lymph node, thymus, leukocytes, bone marrow, heart,

kidney, pancreas and skeletal muscle.

XPR1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

XPR1 Antibody (N-term) Blocking Peptide - Images

XPR1 Antibody (N-term) Blocking Peptide - Background

XPR1 may function in G-protein coupled signal transduction (By similarity). Potential receptor for xenotropic and polytropic murine leukemia retroviruses.

XPR1 Antibody (N-term) Blocking Peptide - References

Bhosle, S., et al. J. Virol. 84(13):6288-6296(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Battini, J.L., et al. Proc. Natl. Acad. Sci. U.S.A. 96(4):1385-1390(1999)Tailor, C.S., et al. Proc. Natl. Acad. Sci. U.S.A. 96(3):927-932(1999)Yang, Y.L., et al. Nat. Genet. 21(2):216-219(1999)