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XPR1 Antibody (N-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS10567

Specification

XPR1 Antibody (N-Terminus) - Product Information

Application	**IHC, ICC**
Primary Accession	Q9UBH6
Reactivity	**Human, Mouse, Rabbit, Hamster, Monkey, Pig, Chicken, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**82kDa KDa**

XPR1 Antibody (N-Terminus) - 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

Target/Specificity
Human XPR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
XPR1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

XPR1 Antibody (N-Terminus) - 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:<a

href="http://www.uniprot.org/citations/27080106" target="_blank">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.

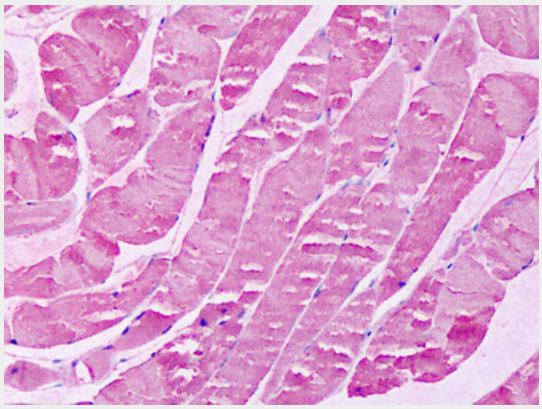
Volume
50 µl

XPR1 Antibody (N-Terminus) - Protocols

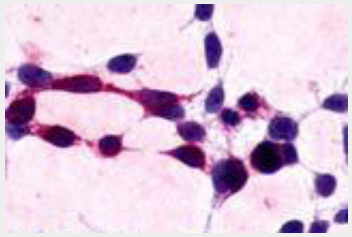
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

XPR1 Antibody (N-Terminus) - Images



Anti-XPR1 antibody IHC of human skeletal muscle.



HEK293 cells expressing human XPR1

XPR1 Antibody (N-Terminus) - Background

May function in G-protein coupled signal transduction (By similarity). Potential receptor for

xenotropic and polytropic murine leukemia retroviruses.

XPR1 Antibody (N-Terminus) - References

Yang Y.-L.,et al.Nat. Genet. 21:216-219(1999).
Tailor C.S.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:927-932(1999).
Battini J.-L.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:1385-1390(1999).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2007) to the EMBL/GenBank/DDBJ databases.