

ANK1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11925**Specification**

ANK1 antibody - middle region - Product Information

Application	WB
Primary Accession	P16157
Other Accession	NM_020477 , NP_065210
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Dog
Predicted	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	189kDa KDa

ANK1 antibody - middle region - Additional Information**Gene ID 286**Alias Symbol **ANK, SPH1, SPH2****Other Names**

Ankyrin-1, ANK-1, Ankyrin-R, Erythrocyte ankyrin, ANK1, ANK

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-ANK1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

ANK1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

ANK1 antibody - middle region - Protein InformationName ANK1 ([HGNC:492](#))**Synonyms ANK****Function**

Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane (PubMed: <http://www.uniprot.org/citations/35835865> target="_blank">35835865). Attaches integral membrane proteins to cytoskeletal elements; binds to the erythrocyte membrane protein band 4.2, to Na-K ATPase, to the lymphocyte membrane protein GP85, and to the cytoskeletal proteins fodrin, tubulin, vimentin and desmin. Erythrocyte ankyrins also link spectrin (beta chain) to the cytoplasmic domain of the erythrocytes anion exchange protein; they retain most or all of these binding functions.

Cellular Location

[Isoform Er1]: Cytoplasm, cytoskeleton. Note=Probably the other erythrocyte (Er) isoforms, are located near the surface of erythrocytic plasma membrane [Isoform Mu18]: Sarcoplasmic reticulum [Isoform Mu20]: Sarcoplasmic reticulum

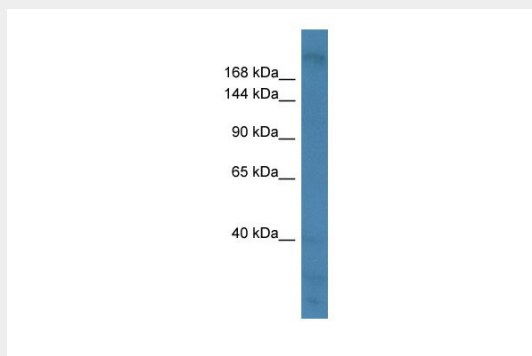
Tissue Location

Isoform Mu17, isoform Mu18, isoform Mu19 and isoform Mu20 are expressed in skeletal muscle. Isoform Br21 is expressed in brain.

ANK1 antibody - middle region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ANK1 antibody - middle region - Images

WB Suggested Anti-ANK1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:12500

Positive Control: HT1080 cell lysate

ANK1 antibody - middle region - Citations

- [FGF23 Neutralizing Antibody Partially Improves Bone Mineralization Defect of HMWFGF2 Isoforms in Transgenic Female Mice.](#)