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ANK1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI11925

Product Information

Application	WB
Primary Accession	P16157
Other Accession	NM_020477, NP_065210
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Horse
Predicted	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	206265

Additional Information

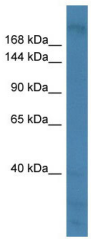
Gene ID	286
Alias Symbol	ANK, SPH1, SPH2
Other Names	Ankyrin-1, ANK-1, Ankyrin-R, Erythrocyte ankyrin, ANK1, ANK
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ANK1 antibody concentration 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.

Protein Information

Name	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: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.

Images



WB Suggested Anti-ANK1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: HT1080 cell lysate

Citations

- FGF23 Neutralizing Antibody Partially Improves Bone Mineralization Defect of HMWFGF2 Isoforms in Transgenic Female Mice.