

Ankyrin 1 / ANK1 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2752a**Specification**

Ankyrin 1 / ANK1 Antibody (C-Term) - Product Information

Application	E
Primary Accession	P16157
Other Accession	NP_000028.3 , NP_065208.2 , NP_065209.2 , NP_065210.2 , NP_065211.2 , NP_065213.2 , 286 , 11733 (mouse) , 306570 (rat)
Predicted	Human, Mouse, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	206265

Ankyrin 1 / ANK1 Antibody (C-Term) - Additional Information**Gene ID** 286**Other Names**

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Ankyrin 1 / ANK1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Ankyrin 1 / ANK1 Antibody (C-Term) - 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.

Ankyrin 1 / ANK1 Antibody (C-Term) - 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](#)

Ankyrin 1 / ANK1 Antibody (C-Term) - Images**Ankyrin 1 / ANK1 Antibody (C-Term) - Background**

This antibody is expected to recognise isoform 3 (NP_000028.3) and isoform 5 (NP_065211.2).

Ankyrin 1 / ANK1 Antibody (C-Term) - References

Functional links between membrane transport and the spectrin cytoskeleton. Dubreuil RR. J Membr Biol. 2006;211(3):151-61. Epub 2006 Nov 7. Review. PMID: 17091212