

## ANK1 polyclonal antibody (Biotin)

Catalog # PAB27957

Size 50 ug

### Specification

Product Description	Chicken polyclonal antibody against synthetic peptide of ANK1.
Immunogen	A Synthetic peptide corresponding to amino acids of ANK1
Sequence	LALQAQPVPDELVTK
Host	Chicken
Reactivity	Human
Form	Liquid
Conjugation	Biotin
Purification	Antigen affinity purification
Concentration	1 mg/mL
Isotype	IgY
Storage Buffer	In Phosphate-Buffered Saline with 0.02% Sodium Azide.
Storage Instruction	Store at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Immuno-MRM (multiple reaction monitoring)

### Gene Info — ANK1

Entrez GeneID	<a href="#">286</a>
Gene Name	ANK1
Gene Alias	ANK, SPH1, SPH2
Gene Description	ankyrin 1, erythrocytic
Omim ID	<a href="#">182900</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>Ankyrins are a family of proteins that link the integral membrane proteins to the underlying spectrin-actin cytoskeleton and play key roles in activities such as cell motility, activation, proliferation, contact and the maintenance of specialized membrane domains. Multiple isoforms of ankyrin with different affinities for various target proteins are expressed in a tissue-specific, developmentally regulated manner. Most ankyrins are typically composed of three structural domains: an amino-terminal domain containing multiple ankyrin repeats; a central region with a highly conserved spectrin binding domain; and a carboxy-terminal regulatory domain which is the least conserved and subject to variation. Ankyrin 1, the prototype of this family, was first discovered in the erythrocytes, but since has also been found in brain and muscles. Mutations in erythrocytic ankyrin 1 have been associated in approximately half of all patients with hereditary spherocytosis. Complex patterns of alternative splicing in the regulatory domain, giving rise to different isoforms of ankyrin 1 have been described. Truncated muscle-specific isoforms of ankyrin 1 resulting from usage of an alternate promoter have also been identified. [provided by RefSeq]</p>
Other Designations	ankyrin 1 ankyrin-1, erythrocytic ankyrin-R

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Genetic Predisposition to Disease](#)
- [Spherocytosis](#)
- [Tobacco Use Disorder](#)