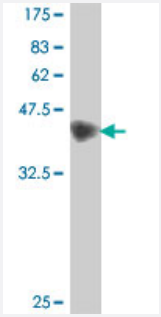
ANK1 polyclonal antibody (A01)

Catalog # H00000286-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (43.16 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant ANK1.
Immunogen	ANK1 (AAH30957, 1 a.a. ~ 155 a.a) full-length recombinant protein with GST tag.
Sequence	MWTFVTQLLVTLVLLSFFLVSCQNVMHIVRGSLCFVLKHIHQELDKELGESEDLSDDEETISTRVV RRRVFLKGNEFQNIPGEQVTEEQFTDEQGNIVTKKIIRKVVRQIDLSSADAAQEHEEVELRGSGLQ PDLIEGRKGAQIVKRASLKRGKQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (87)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.16 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ANK1

Entrez GeneID	286
GeneBank Accession#	BC030957
Protein Accession#	AAH30957
Gene Name	ANK1
Gene Alias	ANK, SPH1, SPH2
Gene Description	ankyrin 1, erythrocytic
Omim ID	182900
Gene Ontology	Hyperlink
Gene Summary	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, con tact and the maintenance of specialized membrane domains. Multiple isoforms of ankyrin with diff erent affinities for various target proteins are expressed in a tissue-specific, developmentally regu lated manner. Most ankyrins are typically composed of three structural domains: an amino-termin al domain containing multiple ankyrin repeats; a central region with a highly conserved spectrin bi nding 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 sinc e has also been found in brain and muscles. Mutations in erythrocytic ankyrin 1 have been associ ated in approximately half of all patients with hereditary spherocytosis. Complex patterns of altern ative splicing in the regulatory domain, giving rise to different isoforms of ankyrin 1 have been des cribed. Truncated muscle-specific isoforms of ankyrin 1 resulting from usage of an alternate prom oter have also been identified. [provided by RefSeq
Other Designations	ankyrin 1|ankyrin-1, erythrocytic|ankyrin-R

Disease

- Amyotrophic lateral sclerosis

- Genetic Predisposition to Disease
- Spherocytosis
- Tobacco Use Disorder