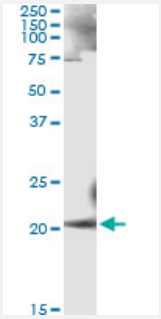
ANK1 (Human) IP-WB Antibody Pair

Catalog # H00000286-PW1 Size 1 Set

Applications



Immunoprecipitation of ANK1 transfected lysate using mouse monoclonal anti-ANK1 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-ANK1.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86%); Rat (86%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of ANK1 transfected lysate using mouse monoclonal anti-ANK1 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-ANK1.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-ANK1 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-ANK1 (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

  Protocol Download

Gene Info — ANK1

Entrez GeneID	286
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