

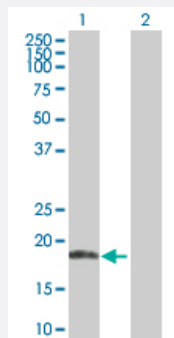
MaxPab®

# ANK1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000286-D01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of ANK1 expression in transfected 293T cell line ([H00000286-T01](#)) by ANK1 MaxPab polyclonal antibody.

Lane 1: ANK1 transfected lysate(17.70 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ANK1 protein.
Immunogen	ANK1 (AAH30957.1, 1 a.a. ~ 155 a.a) full-length human protein.
Sequence	MWTFVTQLLVTLVLLSFFLVSCQNMHIVRGSLCFVLKHHQELDKELGESEDLSDDEETISTRVV RRRVFLKGNFQNIPEGVTEEQFTDEQGNIVTKKIRKVVRQIDLSSADAAQEHEEVELRGSLQ PDLIEGRKGAQIVKRASLKRKQ
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (87)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

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[Protocol Download](#)

## Gene Info — ANK1

Entrez GeneID [286](#)

GeneBank Accession# [BC030957.1](#)

Protein Accession# [AAH30957.1](#)

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, 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]

**Other Designations** ankyrin 1|ankyrin-1, erythrocytic|ankyrin-R

## Disease

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