

Rabbit Ankyrin 1 Polyclonal Antibody | anti-ANK1 antibody

Ankyrin 1 antibody

CATALOG # AAA224460	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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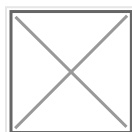
PRODUCT SYNONYMS

Ankyrin 1; Polyclonal Antibody; Ankyrin 1 antibody; Polyclonal Ankyrin 1; Anti-Ankyrin 1; SPH2; ANK1; SPH1; Ankyrin 1 Erythrocytic; anti-ANK1 antibody

PRODUCT SPECIFICATIONS

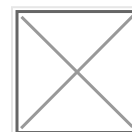
Host	Rabbit
Clonality	Polyclonal
Specificity	Ankyrin 1 antibody was raised against the C terminal of ANK1
Purity/Purification	Total IgG Protein A purified
Form/Format	Lyophilized powder. Add 100ul distilled water for a 1mg/ml concentration of ANK1 antibody in PBS
Concentration	1 mg/ml (varies by lot)
Sequence Length	1881
Applicable Applications for anti-ANK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	Ankyrins are a family of proteins that are believed to 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. 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, however, the precise functions of the various isoforms are not known.
Cross-Reactivity	Human, Mouse, Rat, Dog
Immunogen	Ankyrin 1 antibody was raised using the C terminal of ANK1 corresponding to a region with amino acids VVRQIDLSSADAAQEHEEVELRGSLQPDLEGRKGAQIVKRASLKRKQ
Preparation and Storage	Store at 2-8 degree C for short periods. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Ankyrin 1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Alveolar cells (arrows) in Human Lung. Magnification is at 400X



WB (Western Blot)

Ankyrin 1 antibody (AAA224460) used at 1.25 ug/ml to detect target protein.

ADDITIONAL INFORMATION

Related Product Information for anti-ANK1 antibody	Rabbit polyclonal Ankyrin 1 antibody raised against the C terminal of ANK1
Product Categories/Family for anti-ANK1 antibody	Protein Modification & Stress Response ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	70780359
NCBI GeneID	286
NCBI Accession #	NP_065209.2
NCBI GenBank Nucleotide #	NM_020476.2
Molecular Weight	17 kDa (MW of target protein)
NCBI Official Full Name	ankyrin-1 isoform 1
NCBI Official Synonym Full Names	ankyrin 1, erythrocytic
NCBI Official Symbol	ANK1
NCBI Official Synonym Symbols	ANK; SPH1; SPH2
NCBI Protein Information	ankyrin-1
UniProt Protein Name	Ankyrin-1
UniProt Gene Name	ANK1
UniProt Synonym Gene Names	ANK; ANK-1
UniProt Entry Name	ANK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ankyrin-1-antibody-immunohistochemistry-western-blot-elisa/224460>