

Datasheet for ABIN630429

anti-Erythrocyte Ankyrin antibody (C-Term)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	Erythrocyte Ankyrin (ANK1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Erythrocyte Ankyrin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Ankyrin 1 antibody was raised using the C terminal of ANK1 corresponding to a region with amino acids VVRQIDLSSADAAQEHEEVELRGSLQPDLEGRKGAQIVKRASLKRKQ
Specificity:	Ankyrin 1 antibody was raised against the C terminal of ANK1
Purification:	Purified

Target Details

Target:	Erythrocyte Ankyrin (ANK1)
Alternative Name:	Ankyrin 1 (ANK1 Products)
Background:	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.

Target Details

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.

Molecular Weight: 17 kDa (MW of target protein)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: WB: 1.25 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: Ankyrin 1 Blocking Peptide, catalog no. 33R-9893, is also available for use as a blocking control in assays to test for specificity of this Ankyrin 1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ANK1 antibody in PBS

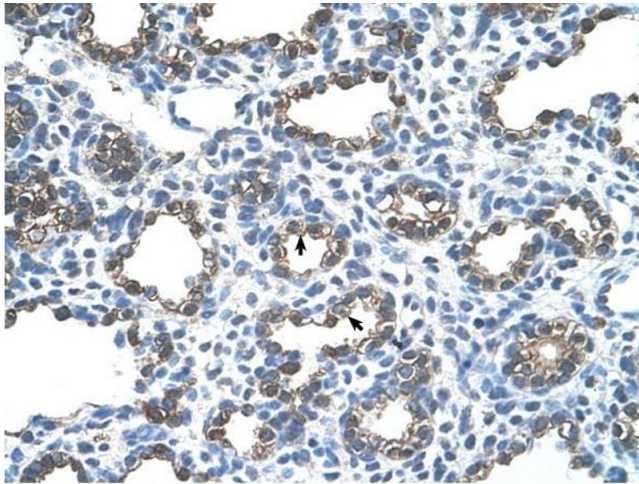
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

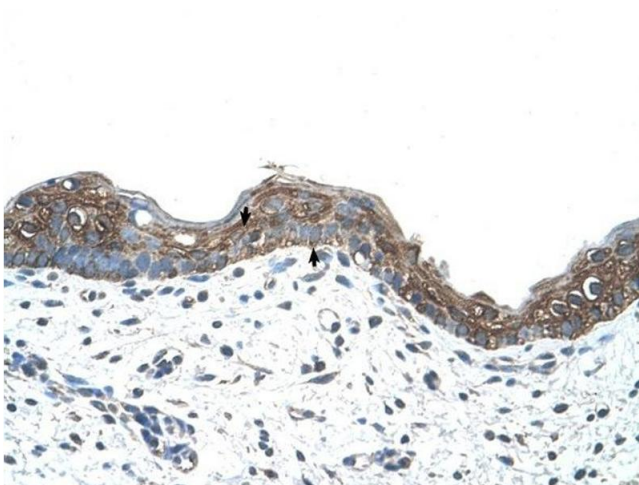
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



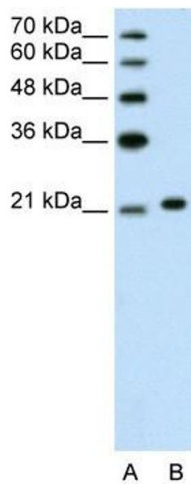
Immunohistochemistry

Image 1. 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



Immunohistochemistry

Image 2. Ankyrin 1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Squamous epithelial cells (arrows) in Human Skin. Magnification is at 400X.



Western Blotting

Image 3. Ankyrin 1 antibody used at 1.25 ug/ml to detect target protein.