

Datasheet for ABIN7144251

anti-Ankyrin G antibody (AA 3540-3719)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Ankyrin G (ANK3)
Binding Specificity:	AA 3540-3719
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ankyrin G antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ankyrin-3 protein (3540-3719AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Ankyrin G (ANK3)
Alternative Name:	ANK3 (ANK3 Products)
Background:	Background: In skeletal muscle, required for costamere localization of DMD and betaDAG1 (By similarity). Membrane-cytoskeleton linker. May participate in the maintenance/targeting of ion

Target Details

channels and cell adhesion molecules at the nodes of Ranvier and axonal initial segments. Regulates KCNA1 channel activity in function of dietary Mg(2+) levels, and thereby contributes to the regulation of renal Mg(2+) reabsorption (PubMed:23903368).

Aliases: ANK-3 antibody, ANK3 antibody, ANK3_HUMAN antibody, ankyrin 3 (G) antibody, Ankyrin 3, node of Ranvier (ankyrin G) antibody, Ankyrin 3, node of Ranvier antibody, Ankyrin G antibody, Ankyrin G119 antibody, Ankyrin-3 antibody, Ankyrin-G antibody, brain specific ankyrin G antibody, CHANK3 antibody, FLJ45464 antibody, OTTHUMP00000217458 antibody, OTTHUMP00000217575 antibody, RP11 369L1.1 antibody

UniProt: [Q12955](#)

Pathways: [Synaptic Membrane](#), [Maintenance of Protein Location](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

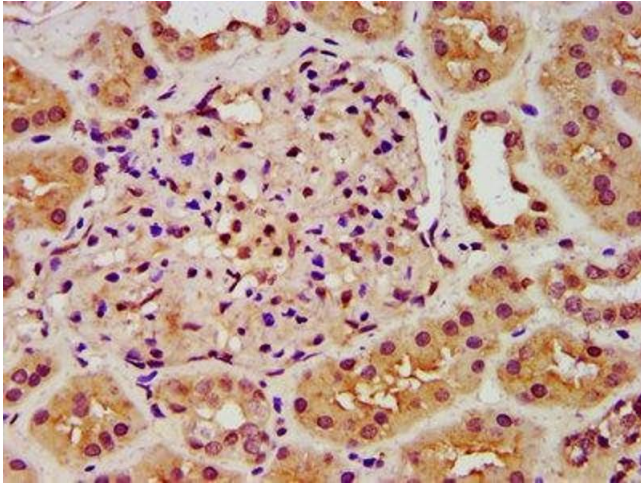
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

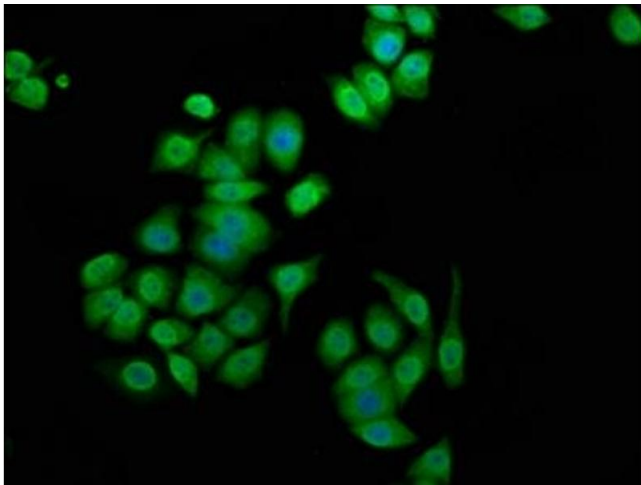
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7144251 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of PC-3 cells with ABIN7144251 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).