

Datasheet for ABIN7238654

anti-Ankyrin G antibody[Go to Product page](#)**1** Image

Overview

Quantity:	200 µL
Target:	Ankyrin G (ANK3)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ankyrin G antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide of human ANK3
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Ankyrin G (ANK3)
Alternative Name:	ANK3 (ANK3 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. Multiple isoforms of ankyrin with different affinities for various target proteins are expressed in

Target Details

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 3 is an immunologically distinct gene product from ankyrins 1 and 2, and was originally found at the axonal initial segment and nodes of Ranvier of neurons in the central and peripheral nervous systems. Multiple transcript variants encoding different isoforms have been found for this gene.

NCBI Accession: [NP_001191332](#)

UniProt: [Q12955](#)

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

Application Details

Application Notes: IHC 1:25-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.9 mg/mL

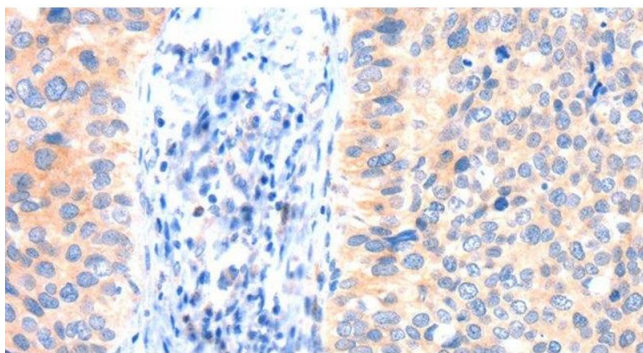
Buffer: PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ANK3 Polyclonal Antibody at dilution 1:50