

Datasheet for ABIN462525  
**anti-Ankyrin G antibody (AA 1690-1701)**

## 3 Images

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## Overview

Quantity:	50 µg
Target:	Ankyrin G (ANK3)
Binding Specificity:	AA 1690-1701
Reactivity:	Human, Monkey, Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Ankyrin G antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide C-SWQNETSSGNLE from an internal region of human ANK3 (NP_066267.2, NP_001140.2). Percent identity by BLAST analysis: Human, Gorilla, Monkey, Pig (100%), Orangutan, Gibbon, Elephant, Panda, Bovine, Dog, Horse (92%), Hamster, Bat, Rabbit (83%).  Type of Immunogen: Synthetic peptide
Specificity:	Human ANK3. This antibody is expected to recognise both reported isoforms (NP_001140.2, NP_066267.2)
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Monkey, Pig (100%) Orangutan, Gibbon, Elephant, Panda, Bovine, Dog, Horse (92%) Hamster, Bat, Rabbit (83%).
Purification:	Immunoaffinity purified

## Target Details

Target:	Ankyrin G (ANK3)
Alternative Name:	ANK3 / ANKYRIN-G ( <a href="#">ANK3 Products</a> )
Background:	Name/Gene ID: ANK3  Synonyms: ANK3, ANKYRIN-G, ANK-3, Ankyrin G119, Ankyrin-3
Gene ID:	288
NCBI Accession:	<a href="#">NP_066267</a> , <a href="#">NP_001140</a>
UniProt:	<a href="#">Q12955</a>
Pathways:	<a href="#">Synaptic Membrane</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	Approved: IHC, IHC-P (3.75 µg/mL)  Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 3.75 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

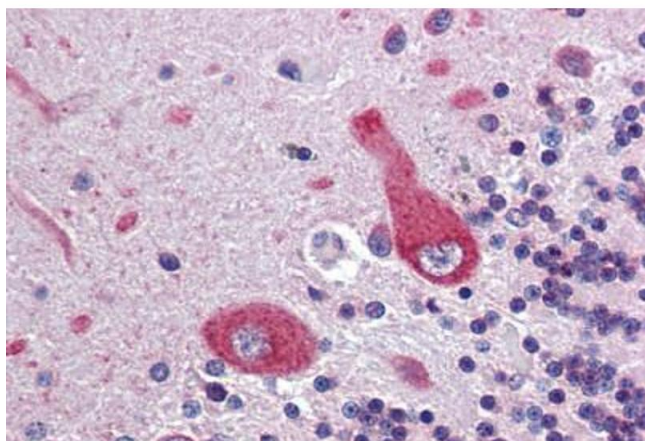
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Tris-buffered saline, pH 7.3, 0.5 % BSA, 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

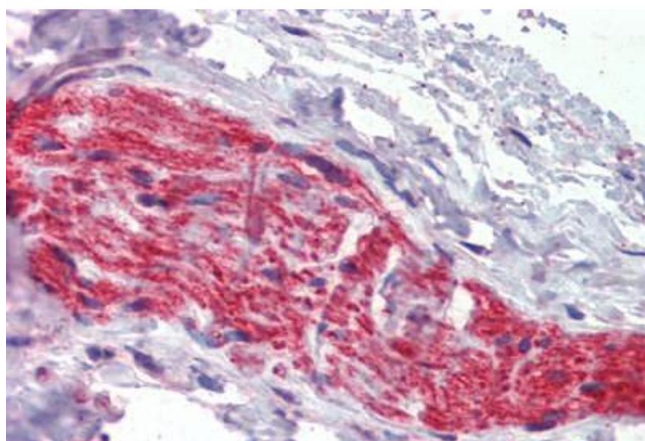
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze-thaw cycles.

## Images



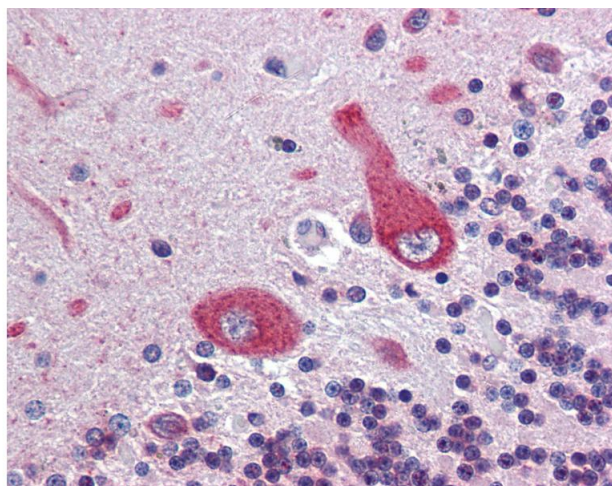
### Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

**Image 1.** Brain, cerebellum, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)



### Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

**Image 2.** Nerve, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)



### Immunohistochemistry

**Image 3.** Anti-ANK3 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.