

Chicken Ankyrin 3/Ankyrin G Polyclonal Antibody | anti-ANK3 antibody

Ankyrin 3/Ankyrin G

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76619	Chicken	Human, Rat, Mouse, Cow, and Monkey.	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Ankyrin 3/Ankyrin G; Polyclonal Antibody; anti-ANK3 antibody

PRODUCT SPECIFICATIONS

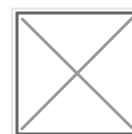
Host	Chicken
Reactivity	Human, Rat, Mouse, Cow, and Monkey.
Clonality	Polyclonal
Isotype	Chicken IgY
Form/Format	Purified antibody at 1 mg/mL in 50% PBS, 50% glycerol plus 5mM NaN ₃ .
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-ANK3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	C-terminal 398 amino acids of human ankyrin 3 expressed in and purified in E Coli
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20°C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2-8°C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of different tissue and cell lysates using chicken pAb to ankyrin 3 dilution 1:3,000, in green. [1, 6] Protein standard, [2] Rat brain, [3] Cow cortex, [4] HEK293 cells, [5] COS-1 cells, [7] Rat cortex, [8] rat cortex membrane enriched fraction, [9] mouse cortex, [10] mouse cortex membrane enriched fraction.



IF (Immunofluorescence)

Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with chicken pAb to ankyrin 3, AAA76619, dilution 1:2,000 in green, and costained with mouse mAb to FOX3/NeuN dilution 1:2,000 in red. The blue is Hoechst staining of nuclear DNA. The AAA76619 antibody stains the axonal initial segments, while the FOX3/NeuN antibody reveals perikarya and nuclei of neurons.

ADDITIONAL INFORMATION

Related Product Information for anti-ANK3 antibody

Ankyrin 3, also known as Ankyrin G, is larger than the related Ankyrin 1 and Ankyrin 2. Ankyrin 3 is expressed in the axon initial segment and the nodes of Ranvier in the nervous system. Antibodies against Ankyrin 3 thus can be useful in identifying the regions of axon initial segments and nodes of Ranvier. This antibody was made against the C-terminal 398 amino acid of human isotype 1, and works well on human and rat ankyrin 3 on western blots and section material. This segment is expressed by all ankyrin 3 three isotypes and contains the DEATH domain sequence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32967599
NCBI GeneID	288
NCBI Accession #	NP_001140.2
NCBI GenBank Nucleotide #	NM_001149.3
UniProt Accession #	Q12955; Q13484; Q5CZH9; Q5VXD5; Q7Z3G4; Q9H0P5; B1AQT2; B4DIL1; E9PE32
NCBI Official Full Name	ankyrin-3 isoform 2
NCBI Official Synonym Full Names	ankyrin 3, node of Ranvier (ankyrin G)
NCBI Official Symbol	ANK3
NCBI Official Synonym Symbols	MRT37; ANKYRIN-G
NCBI Protein Information	ankyrin-3; ankyrin G119
UniProt Protein Name	Ankyrin-3
UniProt Gene Name	ANK3
UniProt Synonym Gene Names	ANK-3
UniProt Entry Name	ANK3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ankyrin-3-ankyrin-g-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/76619>