

Rabbit anti-Human ANK3 Polyclonal Antibody | anti-ANK3 antibody

ANK3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234630	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

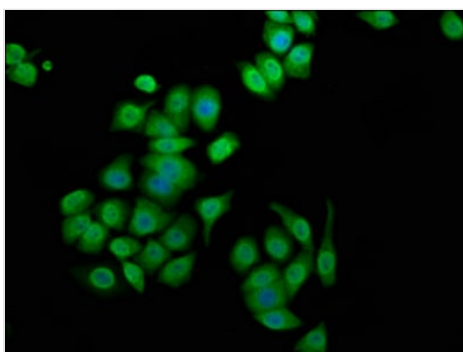
PRODUCT SYNONYMS

ANK3; Polyclonal Antibody; ANK3 Antibody; Ankyrin-3; Ankyrin-G1; anti-ANK3 antibody

PRODUCT SPECIFICATIONS

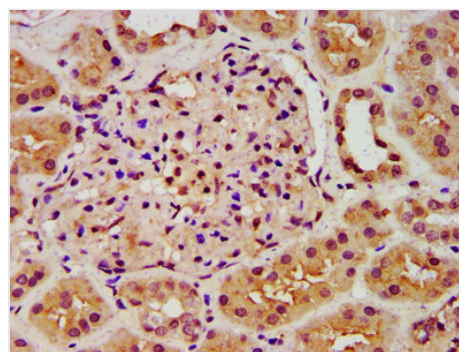
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1001
Applicable Applications for anti-ANK3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Ankyrin-3 protein (3540-3719AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of PC3 cells with AAA234630 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234630 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-ANK3 antibody	In skeletal muscle, required for costamere localization of DMD and betaDAG1 (By similarity). Membrane-cytoskeleton linker. May participate in the maintenance/targeting of ion 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).
Product Categories/Family for anti-ANK3 antibody	Neuroscience

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
Molecular Weight	160,947 Da
NCBI Official Full Name	ankyrin-3 isoform 2
NCBI Official Synonym Full Names	ankyrin 3
NCBI Official Symbol	ANK3
NCBI Official Synonym Symbols	MRT37; ANKYRIN-G
NCBI Protein Information	ankyrin-3
UniProt Protein Name	Ankyrin-3
UniProt Gene Name	ANK3
UniProt Synonym Gene Names	ANK-3

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://www.aaabiotech.com/polyclonal/ank3-antibody-immunofluorescence-immunohistochemistry-elisa/234630>