

Rabbit ANKH Polyclonal Antibody | anti-ANKH antibody

ANKH Antibody (C-term)

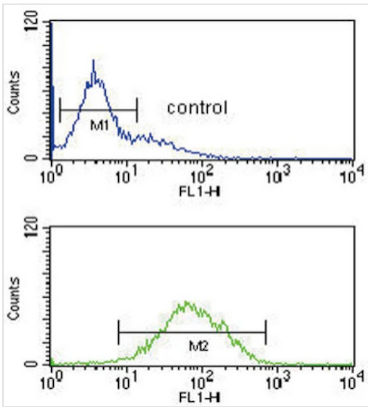
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284120	Rabbit	Human, Mouse (Predicted Reactivity: Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

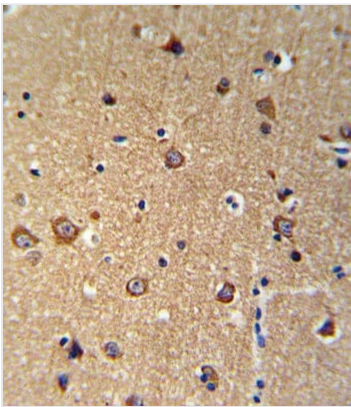
ANKH; Polyclonal Antibody; ANKH Antibody (C-term); Progressive ankylosis protein homolog; ANK; KIAA1581; anti-ANKH antibody

PRODUCT SPECIFICATIONS

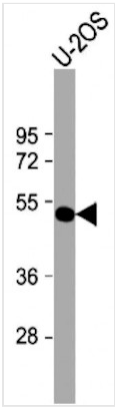
Host	Rabbit
Reactivity	Human, Mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This ANKH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 464-492 amino acids from the C-terminal region of human ANKH.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	464-492
Sequence Length	492
Applicable Applications for anti-ANKH antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Regulates intra- and extracellular levels of inorganic pyrophosphate (PPi), probably functioning as PPi transporter.
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Found in osteoblasts from mandibular bone and from iliac bone; not detected in osteoclastic cells
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



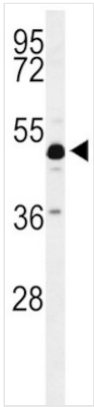
FCM/FACS (Flow Cytometry)
ANKH Antibody (C-term) flow cytometric analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
ANKH Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ANKH Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Anti-ANKH Antibody (C-term) at 1:1000 dilution + U-2OS whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)
Western blot analysis of ANKH Antibody (C-term) in mouse cerebellum tissue lysates (35ug/lane). ANKH (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ANKH antibody	ANKH is a multipass transmembrane protein that is expressed in joints and other tissues and controls pyrophosphate levels in cultured cells. Progressive ankylosis-mediated control of pyrophosphate levels has been suggested as a possible mechanism regulating tissue calcification and susceptibility to arthritis in higher animals.
Product Categories/Family for anti-ANKH antibody	Signal Transduction
References	Wang, J., et al. J. Rheumatol. 36(6):1265-1272(2009) Ho, A.M., et al. Science 289(5477):265-270(2000) Rojas, K., et al. Genomics 62(2):177-183(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16905507
NCBI GeneID	56172
NCBI Accession #	NP_473368.1
NCBI GenBank Nucleotide #	NM_054027.4
UniProt Accession #	Q9HCJ1; Q9NQW2; B2RCA7; B3KMG4; D3DTD4

NCBI Official Full Name	progressive ankylosis protein homolog
NCBI Official Synonym Full Names	ANKH inorganic pyrophosphate transport regulator
NCBI Official Symbol	ANKH
NCBI Official Synonym Symbols	ANK; CMDJ; HANK; MANK; CCAL2; CPPDD
NCBI Protein Information	progressive ankylosis protein homolog
UniProt Protein Name	Progressive ankylosis protein homolog
UniProt Gene Name	ANKH
UniProt Synonym Gene Names	KIAA1581; ANK
UniProt Entry Name	ANKH_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/ankh-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284120>