


Product datasheet

Anti-ANKH antibody ab90104

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Overview

Product name	Anti-ANKH antibody
Description	Rabbit polyclonal to ANKH
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Zebrafish 
Immunogen	Synthetic peptide corresponding to a region within N terminal amino acids 108-157 (DLGYIINKL HHVDESVGSK TRRAFLYLAA FPFMDAMAWT HAGILLKHKY) of Human ANKH (NP_473368). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	THP-1 cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab90104** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

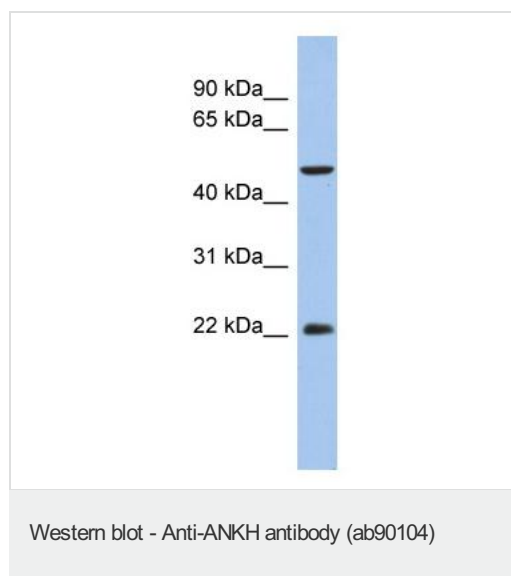
Application	Abreviews	Notes
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Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 54 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
ICC/IF		1/250.

Target

Function	Regulates intra- and extracellular levels of inorganic pyrophosphate (PPi), probably functioning as PPi transporter.
Tissue specificity	Found in osteoblasts from mandibular bone and from iliac bone; not detected in osteoclastic cells.
Involvement in disease	Chondrocalcinosis 2 Craniometaphyseal dysplasia, autosomal dominant
Sequence similarities	Belongs to the ANKH family.
Cellular localization	Membrane.

Images



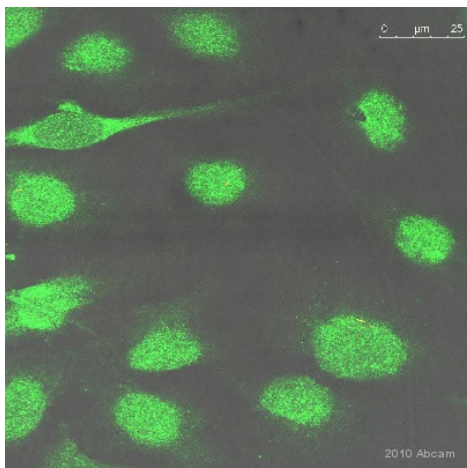
Anti-ANKH antibody (ab90104) at 1 µg/ml (in 5% skim milk / PBS buffer) + THP-1 cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 54 kDa

Gel concentration: 12%



Immunocytochemistry/ Immunofluorescence - Anti-ANKH antibody (ab90104)

This image is courtesy of an anonymous Abreview

ab90104 staining ANKH in Mouse pre-osteoblast MC3T3 cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with formalin, permeabilized with TritonX and blocked with 3% serum for 1 hour at 25°C. Samples were incubated with primary antibody (1/250 in 0.5% serum + PBS) for 12 hours at 4°C. An Alexa Fluor®488-conjugated Goat anti-rabbit IgG polyclonal (1/100) was used as the secondary antibody.

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