


Product datasheet

# Anti-ANKH antibody ab90104

★★★★☆ 1 Abreviews 2 Images

Overview

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

Properties

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

Applications

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

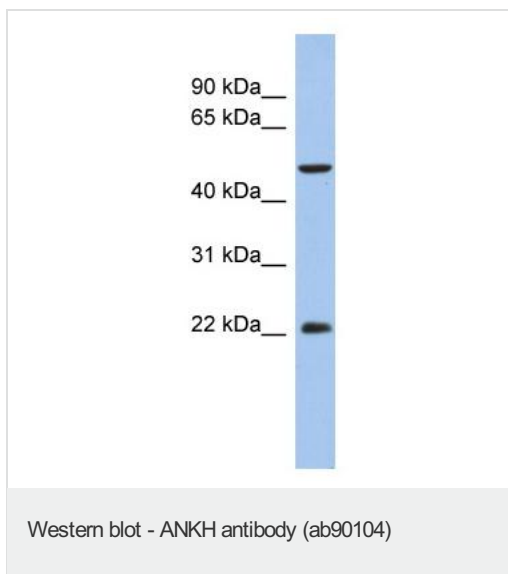
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| 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

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

## Anti-ANKH antibody images

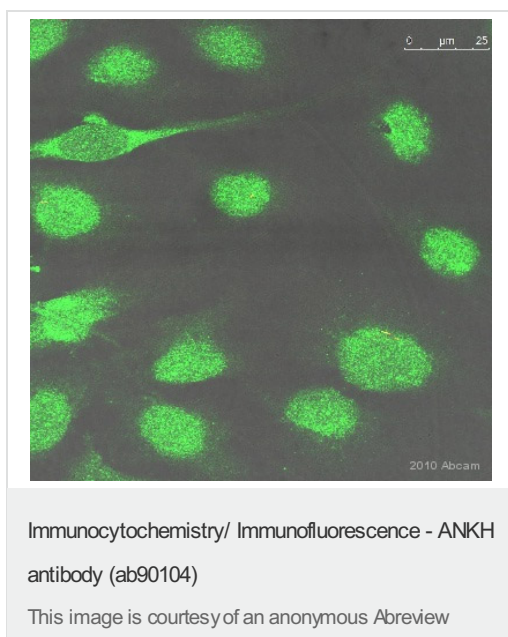


Anti-ANKH antibody (ab90104) at 1  $\mu\text{g/ml}$  (in 5% skim milk / PBS buffer) + THP-1 cell lysate at 10  $\mu\text{g}$

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size : 54 kDa**



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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