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Datasheet for ABIN2784109
anti-ANKH antibody (N-Term)

1 Image

Overview

Quantity:	100 µL
Target:	ANKH
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Rabbit, Dog, Cow, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANKH antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ANKH
Sequence:	SDLGYIINK LHHVDESVGS KTRRAFLYLA AFPFMDAMAW THAGILLKHK
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against ANKH. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ANKH
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Target Details

Alternative Name:	ANKH (ANKH Products)
Background:	<p>ANKH regulates intra- and extracellular levels of inorganic pyrophosphate (PPi), probably functioning as PPi transporter. This gene encodes 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. Mutations in this gene have been associated with autosomal dominant craniometaphyseal dysplasia. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: ANK, CCAL2, CMDJ, CPPDD, FLJ27166, HANK, MANK</p> <p>Protein Interaction Partner: UBC, RPSA, APOE,</p> <p>Protein Size: 492</p>

Molecular Weight: 54 kDa

Gene ID: 56172

NCBI Accession: [NM_054027](#), [NP_473368](#)

UniProt: [Q9HCJ1](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 492 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ANKH Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: THP-1 cell lysate