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Datasheet for ABIN499159

anti-Anoctamin 5 antibody (C-Term)

1 Image

Overview

Quantity:	0.4 mL
Target:	Anoctamin 5 (ANO5)
Binding Specificity:	AA 798-828, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Anoctamin 5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide -KLH conjugated between 798~828 amino acids from the C-terminal region of Human ANO5. Genename: ANO5
Isotype:	Ig Fraction
Specificity:	Recognizes ANO5 (C-term).
Purification:	Protein A Chromatography followed by peptide affinity purification

Target Details

Target:	Anoctamin 5 (ANO5)
Alternative Name:	ANO5 (ANO5 Products)
Background:	ANO5 is a member of the anoctamin family of transmembrane proteins. This protein is likely a

Target Details

calcium activated chloride channel. Defects in ANO5 are the cause of gnathodiaphyseal dysplasia (GDD), also known as osteogenesis imperfecta with unusual skeletal lesions or gnathodiaphyseal sclerosis. GDD is a rare skeletal syndrome characterized by bone fragility, sclerosis of tubular bones, and cemento-osseous lesions of the jawbone. Patients experience frequent bone fractures caused by trivial accidents in childhood, however the fractures heal normally without bone deformity. The jaw lesions replace the tooth-bearing segments of the maxilla and mandible with fibrous connective tissues, including various amounts of cementum-like calcified mass, sometimes causing facial deformities. Patients also have a propensity for jaw infection and often suffer from purulent osteomyelitis-like symptoms, such as swelling of and pus discharge from the gums, mobility of the teeth, insufficient healing after tooth extraction and exposure of the lesions into the oral cavity. Synonyms: Anoctamin-5, GDD1, Gnathodiaphyseal dysplasia 1 protein, TMEM16E, Transmembrane 16E

Gene ID: 203859

NCBI Accession: [NP_001136121](#)

UniProt: [Q75V66](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/100-1/500.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative

Preservative: Sodium azide

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

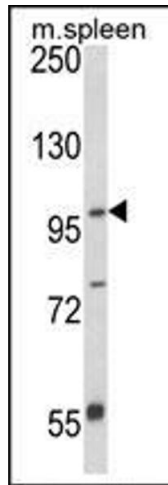
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



Western Blotting

Image 1. Western blot analysis of AP21362PU-N ANO5 Antibody (C-term) in Mouse spleen tissue lysates (35 µg/lane). ANO5 (arrow) was detected using the purified Pab.