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Datasheet for ABIN2784124
anti-Tmc2 antibody (Middle Region)

1 Image

Overview

| | |
|----------------------|---------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | Tmc2 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Tmc2 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human TMC2 |
| Sequence: | YCWCWDLEAG FPSYAEFDIS GNVLGLIFNQ GMIWMGSFYA PGLVGINVLR |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 85%, Rat: 100%, Zebrafish: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against TMC2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

| | |
|---------|------|
| Target: | Tmc2 |
|---------|------|

Target Details

Alternative Name: TMC2 ([Tmc2 Products](#))

Background: TMC2 is considered a member of transmembrane proteins family. The specific function of this gene is unknown, however, expression in the inner ear suggests that it may be crucial for normal auditory function. This gene is considered a member of a gene family predicted to encode transmembrane proteins. The specific function of this gene is unknown, however, expression in the inner ear suggests that it may be crucial for normal auditory function. Mutations in this gene may underlie hereditary disorders of balance and hearing.

PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-382 AF417580.2 1-382 383-569 DA769512.1 96-282 570-859 DA769512.1 286-575 860-2736 AF417580.2 860-2736 2737-3169 AL049712.12 30165-30597 c

Alias Symbols: C20orf145, dJ686C3.3

Protein Size: 906

Molecular Weight: 102 kDa

Gene ID: 117532

NCBI Accession: [NM_080751](#), [NP_542789](#)

UniProt: [Q8TDI7](#)

Application Details

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

Comment: Antigen size: 906 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.

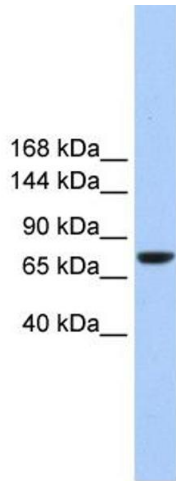
Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

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-TMC2 Antibody Titration: 0.2-1 ug/ml Positive Control: Hela cell lysate