Datasheet for ABIN7601768

anti-GIPC3 antibody (AA 45-312)

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Overview

Quantity:	100 µg
Target:	GIPC3
Binding Specificity:	AA 45-312
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GIPC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-GIPC3 Antibody Picoband®
Immunogen:	E.coli-derived human GIPC3 recombinant protein (Position: H45-G312). Human GIPC3 shares 91.8% amino acid (aa) sequence identity with mouse GIPC3.
Characteristics:	Anti-GIPC3 Antibody Picoband® (ABIN7601768). Tested in WB, ICC/IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	GIPC3
Alternative Name:	GIPC3 (GIPC3 Products)
Background:	PDZ domain-containing protein GIPC3 is a protein that in humans is encoded by the GIPC3 gene. The protein encoded by this gene belongs to the GIPC family. Studies in mice suggest that this gene is required for postnatal maturation of the hair bundle and long-term survival of hair cells and spiral ganglion in the ear. Mutations in this gene are associated with autosomal recessive deafness.
Molecular Weight:	40 kDa
Gene ID:	126326

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Ain, Q., Nazli, S., Riazuddin, S., Jaleel, A., Riazuddin, S. A., Zafar, A. U., Khan, S. N., Husnain, T., Griffith, A. J., Ahmed, Z. M., Friedman, T. B., Riazuddin, S. The autosomal recessive nonsyndromic deafness locus DFNB72 is located on chromosome 19p13.3. Hum. Genet. 122: 445-450, 2007. 2. Charizopoulou, N., Lelli, A., Schraders, M., Ray, K., Hildebrand, M. S., Ramesh, A., Srisailapathy, C. R., Oostrik, J., Admiraal, R. J. C., Neely, H. R., Latoche, J. R., Smith, R. J. H., Northup, J. K., Kremer, H., Holt, J. R., Noben-Trauth, K. Gipc3 mutations associated with audiogenic seizures and sensorineural hearing loss in mouse and human. Nature Commun. 2: 201, 2011. Note: Electronic Article. 3. Chen, A., Wayne, S., Bell, A., Ramesh, A., Srisailapathy, C. R., Scott, D. A., Sheffield, V. C., Van Hauwe, P., Zbar, R. I., Ashley, J., Lovett, M., Van Camp, G., Smith, R. J. New gene for autosomal recessive non-syndromic hearing loss maps to either chromosome 3q or 19p. Am. J. Med. Genet. 71: 467-471, 1997.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.