

Datasheet for ABIN7601679

anti-GIGYF2 antibody (AA 413-1299)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GIGYF2
Binding Specificity:	AA 413-1299
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GIGYF2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-GIGYF2 Antibody Picoband®
Immunogen:	E.coli-derived human GIGYF2 recombinant protein (Position: R413-Y1299).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GIGYF2 Antibody Picoband® (ABIN7601679). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. 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:	GIGYF2
Alternative Name:	GIGYF2 (GIGYF2 Products)
Background:	<p>Synonyms: Calretinin, CR, 29 kDa calbindin, CALB2, CAB29</p> <p>Tissue Specificity: Brain.</p> <p>Background: This gene contains CAG trinucleotide repeats and encodes a protein containing several stretches of polyglutamine residues. The encoded protein may be involved in the regulation of tyrosine kinase receptor signaling. This gene is located in a chromosomal region that was genetically linked to Parkinson disease type 11, and mutations in this gene were thought to be causative for this disease. However, more recent studies in different populations have been unable to replicate this association. Alternative splicing results in multiple transcript variants.</p>
Molecular Weight:	180 kDa
Gene ID:	26058
UniProt:	Q6Y7W6
Pathways:	Feeding Behaviour , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Bras, J., Simon-Sanchez, J., Federoff, M., Morgadinho, A., Januario, C., Ribeiro, M., Cunha, L., Oliveira, C., Singleton, A. B. Lack of replication of association between GIGYF2 variants and Parkinson disease. Hum. Molec. Genet. 18: 341-346, 2009. 2. Giovannone, B., Lee, E., Laviola, L., Giorgino, F., Cleveland, K. A., Smith, R. J. Two novel proteins that are linked to insulin-like growth factor (IGF-I) receptors by the Grb10 adapter and modulate IGF-I signaling. J. Biol. Chem. 278: 31564-31573, 2003. 3. Giovannone, B., Tsiaras, W. G., de la Monte, S., Klysik, J., Lautier, C., Karashchuk, G., Goldwurm, S., Smith, R. J. GIGYF2 gene disruption in mice results in neurodegeneration and altered insulin-like growth factor signaling. Hum. Molec. Genet. 18: 4629-4639, 2009.</p>
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
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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.