Datasheet for ABIN7602083

anti-PLEKHG5 antibody (AA 58-974)

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Overview

Quantity:	100 µg
Target:	PLEKHG5
Binding Specificity:	AA 58-974
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLEKHG5 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-PLEKHG5 Antibody Picoband®
Immunogen:	E.coli-derived human PLEKHG5 recombinant protein (Position: Q58-K974).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PLEKHG5 Antibody Picoband® (ABIN7602083). Tested in ELISA, 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:	PLEKHG5
Alternative Name:	PLEKHG5 (PLEKHG5 Products)
Background:	Synonyms: PHD finger protein 21A, BHC80a, BRAF35-HDAC complex protein BHC80, PHF21A, BHC80, KIAA1696, BM-006 Tissue Specificity: Highly expressed in brain. Expressed at much lower level in other tissues. Background: Pleckstrin homology domain containing, family G member 5 (PLEKHG5) is a protein that in humans is encoded by the PLEKHG5 gene. This gene encodes a protein that activates the nuclear factor kappa B (NFKB1) signaling pathway. Mutations in this gene are associated with autosomal recessive distal spinal muscular atrophy. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	125 kDa
Gene ID:	57449
UniProt:	A0A5F98
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, -

1. Azzedine, H., Zavadakova, P., Plante-Bordeneuve, V., Vaz Pato, M., Pinto, N., Bartesaghi, L., Zenker, J., Poirot, O., Bernard-Marissal, N., Arnaud Gouttenoire, E., Cartoni, R., Title, A., and 18 others. PLEKHG5 deficiency leads to an intermediate form of autosomal-recessive Charcot-Marie-Tooth disease. Hum. Molec. Genet. 22: 4224-4232, 2013. 2. Kim, H. J., Hong, Y. B., Park, J.-M., Choi, Y.-R., Kim, Y. J., Yoon, B. R., Koo, H., Yoo, J. H., Kim, S. B., Park, M., Chung, K. W., Choi, B.-O. Mutations in the PLEKHG5 gene is relevant with autosomal recessive intermediate Charcot-Marie-Tooth disease. Orphanet J. Rare Dis. 8: 104, 2013. Note: Electronic Article. Erratum: Orphanet J. Rare Dis. 8: 165, 2013. 3. Maystadt, I., Rezsohazy, R., Barkats, M., Duque, S., Vannuffel, P., Remacle, S., Lambert, B., Najimi, M., Sokal, E., Munnich, A., Viollet, L., Verellen-Dumoulin, C. The nuclear factor kappa-beta-activator gene PLEKHG5 is mutated in a form of autosomal recessive lower motor neuron disease with childhood onset. Am. J. Hum. Genet. 81: 67-76, 2007.

Application Details

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 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.