Datasheet for ABIN7599994

anti-PPEF1 antibody (AA 137-652)

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Overview

Quantity:	100 µg
Target:	PPEF1
Binding Specificity:	AA 137-652
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPEF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-PPEF1 Antibody Picoband®
Immunogen:	E.coli-derived human PPEF1 recombinant protein (Position: H137-L652). Human PPEF1 shares 72.7% and 73.2% amino acid (aa) sequence identity with mouse and rat PPEF1, respectively.
Characteristics:	Anti-PPEF1 Antibody Picoband® (ABIN7599994). Tested in WB, ICC/IF, Flow Cytometry, ELISA 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:	PPEF1
Alternative Name:	PPEF1 (PPEF1 Products)
Background:	Serine/threonine-protein phosphatase with EF-hands 1 is an enzyme that in humans is encoded by the PPEF1 gene. This gene encodes a member of the serine/threonine protein phosphatase with EF-hand motif family. The protein contains a protein phosphatase catalytic domain, and at least two EF-hand calcium-binding motifs in its C terminus. Although its substrate(s) is unknown, the encoded protein has been suggested to play a role in specific sensory neuron function and/or development. This gene shares high sequence similarity with the Drosophila retinal degeneration C (rdgC) gene. Several alternatively spliced transcript variants, each encoding a distinct isoform, have been described.
Molecular Weight:	76 kDa
Gene ID:	5475
UniProt:	O14829
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Montini, E., Rugarli, E. I., Van de Vosse, E., Andolfi, G., Mariani, M., Puca, A. A., Consalez, G. G., den Dunnen, J. T., Ballabio, A., Franco, B. A novel human serine-threonine phosphatase related to the Drosophila retinal degeneration C (rdgC) gene is selectively expressed in sensory neurons of neural crest origin. Hum. Molec. Genet. 6: 1137-1145, 1997. 2. Ramulu, P., Kennedy, M., Xiong, W.-H., Williams, J., Cowan, M., Blesh, D., Yau, K.-W., Hurley, J. B., Nathans, J. Normal light response, photoreceptor integrity, and rhodopsin dephosphorylation in mice lacking both protein phosphatases with EF hands (PPEF-1 and PPEF-2). Molec. Cell. Biol. 21: 8605-8614, 2001. 3. van de Vosse, E., Franco, B., van der Bent, P., Montini, E., Orth, U., Hanauer, A., Tijmes, N., van Ommen, G.-J. B., Ballabio, A., den Dunnen, J. T., Bergen, A. A. B. Exclusion of PPEF as the gene causing X-linked juvenile retinoschisis. Hum. Genet. 101: 235-237, 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
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.