Datasheet for ABIN7600584

anti-MYORG/KIAA1161 antibody (AA 207-611)

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Overview

Quantity:	100 µg
Target:	MYORG/KIAA1161 (MYORG)
Binding Specificity:	AA 207-611
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYORG/KIAA1161 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MYORG Antibody Picoband®
Immunogen:	E.coli-derived human MYORG recombinant protein (Position: Q207-R611). Human MYORG shares 92.9% amino acid (aa) sequence identity with mouse MYORG.
Characteristics:	Anti-MYORG Antibody Picoband® (ABIN7600584). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, 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:	MYORG/KIAA1161 (MYORG)
Alternative Name:	MYORG (MYORG Products)
Background:	MYORG promotes myogenesis by activating AKT signaling through the maturation and secretion of IGF2.
Molecular Weight:	87 kDa
Gene ID:	57462
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Arkadir, D., Lossos, A., Rahat, D., Snineh, M. A., Schueler-Furman, O., Nitschke, S., Minassian, B. A., Sadaka, Y., Lerer, I., Tabach, Y., Meiner, V. MYORG is associated with recessive primary familial brain calcification. Ann. Clin. Transl. Neurol. 6: 106-113, 2019. 2. Datta, K., Guan, T., Gerace, L. NET37, a nuclear envelope transmembrane protein with glycosidase homology, is involved in myoblast differentiation. J. Biol. Chem. 284: 29666-29676, 2009. 3. Forouhideh, Y., Muller, K., Ruf, W., Assi, M., Seker, T., Tunca, C., Knehr, A., Strom, T. M., Gorges, M., Schradt, F., Meitinger, T., Ludolph, A. C., Pinkhardt, E. H., Basak, A. N., Kassubek, J., Uttner, I., Weishaupt, J. H. A biallelic mutation links MYORG to autosomal-recessive primary familial brain calcification. (Letter) Brain 142: e4, 2019. Note: Electronic Article.
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.