Datasheet for ABIN7602063

anti-GLOD4 antibody (AA 57-313)

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Overview

Quantity:	100 µg
Target:	GLOD4
Binding Specificity:	AA 57-313
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLOD4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GLOD4 Antibody Picoband®
Immunogen:	E.coli-derived human GLOD4 recombinant protein (Position: E57-G313). Human GLOD4 shares 92.4% and 91.2% amino acid (aa) sequence identity with mouse and rat GLOD4, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GLOD4 Antibody Picoband® (ABIN7602063). 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:	GLOD4
Alternative Name:	GLOD4 (GLOD4 Products)
Background:	Synonyms: GLOD4, C17orf25, CGI-150, My027, Glyoxalase domain-containing protein 4 Background: Glyoxalase domain-containing protein 4 is an enzyme that in humans is encoded by the GLOD4 gene. Enables cadherin binding activity. Located in extracellular exosome and mitochondrion.
Molecular Weight:	35 kDa
Gene ID:	51031

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. Farrera, D. O., Galligan, J. J. The human glyoxalase gene family in health and disease. Chem. Res. Toxicol. 35: 1766-1776, 2022. 2. Qin, W. X., Wan, F., Sun, F. Y., Zhang, P. P., Han, L. W., Huang, Y., Jiang, H. Q., Zhao, X. T., He, M., Ye, Y., Cong, W. M., Wu, M. C., Zhang, L. S., Yang, N. W., Gu, J. R. Cloning and characterization of a novel gene (C17orf25) from the deletion region on chromosome 17p13.3 in hepatocelular (sic) carcinoma. Cell Res. 11: 209-216, 2001. 3. Zhang, H. T., Yan, Z. Q., Hu, X. B., Yang, S. L., Gong, Y. Interaction of C17orf25 with ADP-ribose pyrophosphatase NUDT9 detected via yeast two-hybrid method. Acta Biochim. Biophys. Sin. 35: 747-751, 2003.
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.