Datasheet for ABIN7602188

anti-EXOSC2 antibody (AA 62-293)

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Overview

Quantity:	100 µg
Target:	EXOSC2
Binding Specificity:	AA 62-293
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EXOSC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RRP4/EXOSC2 Antibody Picoband®
Immunogen:	E.coli-derived human RRP4/EXOSC2 recombinant protein (Position: R62-G293).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-RRP4/EXOSC2 Antibody Picoband® (ABIN7602188). Tested in ELISA, Flow Cytometry, IHC, 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:	EXOSC2
Alternative Name:	EXOSC2 (EXOSC2 Products)
Background:	Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3, Tissue Specificity: Ubiquitous. Highly expressed in brain. . Background: Exosome component 2, also known as EXOSC2, is a protein which in humans is encoded by the EXOSC2 gene. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snoRNA and snRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. EXOSC2 is a non-catalytic component of the RNA exosome complex that has 3'->5' exoribonuclease activity and involves in a multitude of cellular RNA processing and degradation events.
Molecular Weight:	33 kDa
Gene ID:	23404
UniProt:	Q13868
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Chen, C.-Y., Gherzi, R., Ong, S.-E., Chan, E. L., Raijmakers, R., Pruijn, G. J. M., Stoecklin, G., Moroni, C., Mann, M., Karin, M. AU binding proteins recruit the exosome to degrade ARE-containing mRNAs. Cell 107: 451-464, 2001. 2. Di Donato, N., Neuhann, T., Kahlert, A.-K., Klink, B., Hackmann, K., Neuhann, I., Novotna, B., Schallner, J., Krause, C., Glass, I. A., Parnell, S. E., Genet-Pages, A., and 9 others. Mutations in EXOSC2 are associated with a novel syndrome characterised by retinitis pigmentosa, progressive hearing loss, premature ageing, short stature, mild intellectual disability and distinctive gestalt. J. Med. Genet. 53: 419-425, 2016. 3. Gross, M. B. Personal Communication. Baltimore, Md. 6/25/2014.

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.