Datasheet for ABIN7602655

anti-NUP88 antibody (AA 91-584)

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Overview

Quantity:	100 µg
Target:	NUP88
Binding Specificity:	AA 91-584
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUP88 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-NUP88 Antibody Picoband®
Immunogen:	E.coli-derived human NUP88 recombinant protein (Position: E91-K584). Human NUP88 shares 89.8% and 89.9% amino acid (aa) sequence identity with mouse and rat NUP88, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-NUP88 Antibody Picoband® (ABIN7601004). Tested in WB, ICC/IF, 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:	NUP88
Alternative Name:	NUP88 (NUP88 Products)
Background:	Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody Tissue Specificity: Expressed in all tissues. Background: Nucleoporin 88 (Nup88) is a protein that in humans is encoded by the NUP88 gene. The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins, a family of 50 to 100 proteins, are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene belongs to the nucleoporin family and is associated with the oncogenic nucleoporin CAN/Nup214 in a dynamic subcomplex. This protein is also overexpressed in a large number of malignant neoplasms and precancerous dysplasias. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Weight:	84 kDa
Gene ID:	4927
UniProt:	Q99567
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Bonnin, E., Cabochette, P., Filosa, A., Juhlen, R., Komatsuzaki, S., Hezwani, M., Dickmanns, A.,

Application Details

	Martinelli, V., Vermeersch, M., Supply, L., Martins, N., Pirenne, L., and 14 others. Biallelic mutations in nucleoporin NUP88 cause lethal fetal akinesia deformation sequence. PLoS Genet. 14: e1007845, 2018. Note: Electronic Article. 2. Fornerod, M., van Baal, S., Valentine, V., Shapiro, D. N., Grosveld, G. Chromosomal localization of genes encoding CAN/Nup214-interacting proteins--human CRM1 localizes to 2p16, whereas Nup88 localizes to 17p13 and is physically linked to SF2p32. Genomics 42: 538-540, 1997. 3. Fornerod, M., van Deursen, J., van Baal, S., Reynolds, A., Davis, D., Murti, K. G., Fransen, J., Grosveld, G. The human homologue of yeast CRM1 is in a dynamic subcomplex with CAN/Nup214 and a novel nuclear pore component Nup88. EMBO J. 16: 807-816, 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.