Datasheet for ABIN7599667

anti-CDK13 antibody (AA 1052-1338)

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Overview

Quantity:	100 µg
Target:	CDK13
Binding Specificity:	AA 1052-1338
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK13 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CDK13 Antibody Picoband®
Immunogen:	E.coli-derived human CDK13 recombinant protein (Position: D1052-N1338).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CDK13 Antibody Picoband® (ABIN7599667). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, 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:	CDK13
Alternative Name:	CDK13 (CDK13 Products)
Background:	Synonyms: Loricrin, LOR, LRN Tissue Specificity: Expressed in testis and to a lesser degree in brain, ovary and placenta. Found in most tissues at low levels. Background: Cyclin dependent kinase 13 is an enzyme that in humans is encoded by the CDK13 gene. The protein encoded by this gene is a member of the cyclin-dependent serine/threonine protein kinase family. Members of this family are well known for their essential roles as master switches in cell cycle control. The exact function of this protein has not yet been determined, but it may play a role in mRNA processing and may be involved in regulation of hematopoiesis. Alternatively spliced transcript variants have been described.
Molecular Weight:	185-190 kDa
Gene ID:	8621
UniProt:	Q14004

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 2-5 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. Hamilton, M. J., Caswell, R. C., Canham, N., Cole, T., Firth, H. V., Foulds, N., Heimdal, K., Hobson, E., Houge, G., Joss, S., Kumar, D., Lampe, A. K. Heterozygous mutations affecting the protein kinase domain of CDK13 cause a syndromic form of developmental delay and intellectual disability. J. Med. Genet. 55: 28-38, 2018. 2. Lapidot-Lifson, Y., Patinkin, D., Prody, C. A., Ehrlich, G., Seidman, S., Ben-Aziz, R., Benseler, F., Eckstein, F., Zakut, H., Soreq, H. Cloning and antisense oligodeoxynucleotide inhibition of a human homolog of cdc2 required in hematopoiesis. Proc. Nat. Acad. Sci. 89: 579-583, 1992. 3. Sifrim, A., Hitz, M.-P., Wilsdon, A., Breckpot, J., Al Turki, S. H., Thienpont, B., McRae, J., Fitzgerald, T. W., Singh, T., Swaminathan, G. J., Prigmore, E., Rajan, D., and 63 others. Distinct genetic architectures for syndromic and nonsyndromic congenital heart defects identified by exome sequencing. Nature Genet. 48: 1060-1065, 2016.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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 and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.