Datasheet for ABIN7599284

anti-CDC123 antibody (AA 1-336)

Go to Product page

Overview

Quantity:	100 µg
Target:	CDC123
Binding Specificity:	AA 1-336
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC123 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-CDC123 Antibody Picoband®
Immunogen:	E.coli-derived human CDC123 recombinant protein (Position: M1-D336).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-C Antibody Picoband® (ABIN7599284). 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:	CDC123
Alternative Name:	CDC123 (CDC123 Products)
Background:	Synonyms: Neuropeptides B/W receptor type 1, G-protein coupled receptor 7, NPBWR1, GPR7 Tissue Specificity: Found in cerebellum and frontal cortex. Detected at high levels in hippocampus, amygdala and trachea, at moderate levels in fetal brain, pituitary gland and prostate. Not in caudate, accumbens, kidney or liver. Also detected at high levels in lung carcinoma. Background: Cell division cycle protein 123 homolog is a protein that in humans is encoded by the CDC123 gene. It is mapped to chromosome 10p14-p13. CDC123 is predicted to function as an assembly factor for eukaryotic translation initiation factor-2, which recruits initiator met-tRNA to the 40S ribosome to begin protein synthesis.
Molecular Weight:	45 kDa
Gene ID:	8872
UniProt:	O75794

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. Hartz, P. A. Personal Communication. Baltimore, Md. 9/29/2017. 2. Okuda, A., Kimura, G. An amino acid change in novel protein D123 is responsible for temperature-sensitive G1-phase arrest in a mutant of rat fibroblast line 3Y1. Exp. Cell Res. 223: 242-249, 1996. 3. Onisto, M., Zeilante, P., Scannapieco, P., Pellati, D., Pozza, M., Caenazzo, C., Negro, A., Garbisa, S. Expression study on D123 gene product: evidence for high positivity in testis. Exp. Cell Res. 242: 451-459, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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.