Datasheet for ABIN7602053

anti-CEP250 antibody (AA 563-853)

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Overview

Quantity:	100 µg
Target:	CEP250
Binding Specificity:	AA 563-853
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEP250 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CEP250 Antibody Picoband®
Immunogen:	E.coli-derived human CEP250 recombinant protein (Position: Q563-K853).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-C Antibody Picoband® (ABIN7602053). Tested in ELISA, Flow Cytometry, IHC, WB 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:	CEP250
Alternative Name:	CEP250 (CEP250 Products)
Background:	Synonyms: Gastrotropin, GT, Fatty acid-binding protein 6, Ileal lipid-binding protein, ILBP, Intestinal 15 kDa protein, I-15P, Intestinal bile acid-binding protein, I-BABP, FABP6, ILBP, ILLBP Tissue Specificity: Isoform 1 is expressed in the jejunum, ileum, cecum and ascending colon intestine. Isoform 2 is xpressed in the gallbladder, duodenum, jejunum, ileum, cecum, ascending, transverse and descending colon, sigmoid colon and rectum. Isoform 2 is expressed in colorectal adenocarcinomas and their adjacent normal mucosa. Background: Centrosome-associated protein CEP250 is a protein that in humans is encoded by the CEP250 gene. This gene encodes a core centrosomal protein required for centriole-centriole cohesion during interphase of the cell cycle. The encoded protein dissociates from the centrosomes when parental centrioles separate at the beginning of mitosis. The protein associates with and is phosphorylated by NIMA-related kinase 2, which is also associated with the centrosome. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Weight:	250 kDa
Gene ID:	11190
Pathways:	M Phase, 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, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bahe, S., Stierhof, Y.-D., Wilkinson, C. J., Leiss, F., Nigg, E. A. Rootletin forms centriole-associated filaments and functions in centrosome cohesion. J. Cell Biol. 171: 27-33, 2005. 2. de Castro-Miro, M., Tonda, R., Escudero-Ferruz, P., Andres, R., Mayor-Lorenzo, A., Castro, J., Ciccioli, M., Hidalgo, D. A., Rodriguez-Ezcurra, J. J., Farrando, J., Perez-Santonja, J. J., Cormand, B., Marfany, G., Gonzalez-Duarte, R. Novel candidate genes and a wide spectrum of structural and point mutations responsible for inherited retinal dystrophies revealed by exome sequencing. PLoS One 11: e0168966, 2016. Note: Electronic Article. 3. Fry, A. M., Mayor, T., Meraldi, P., Stierhof, Y.-D., Tanaka, K., Nigg, E. A. C-Nap1, a novel centrosomal coiled-coil protein and candidate substrate of the cell cycle-regulated protein kinase Nek2. J. Cell Biol. 141: 1563-

Application Details

	1574, 1998.
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.