

Datasheet for ABIN7599132
anti-MCC antibody (AA 1-234)



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Overview

Quantity:	100 µg
Target:	MCC
Binding Specificity:	AA 1-234
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCC antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MCC Antibody Picoband®
Immunogen:	E.coli-derived human MCC recombinant protein (Position: M1-E234).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MCC Antibody Picoband® (ABIN7599132). Tested in ELISA, Flow Cytometry, 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:	MCC
Alternative Name:	MCC (MCC Products)
Background:	Synonyms: High affinity nerve growth factor receptor Tissue Specificity: Isoform TrkA-I is found in most non-neuronal tissues. Isoform TrkA-II is primarily expressed in neuronal cells. TrkA-III is specifically expressed by pluripotent neural stem and neural crest progenitors. Background: MUTATED IN COLORECTAL CANCERS(MCC) is a tumor suppressor gene. It is mapped to 5q22.2. This gene suppresses cell proliferation and the Wnt/b-catenin pathway in colorectal cancer cells. MCC also Inhibits DNA binding of b-catenin/TCF/LEF transcription factors, and it is Involved in cell migration independently of RAC1, CDC42 and p21-activated kinase(PAK) activation. What's more, MCC can interact with SCRIB(via phosphorylated PDZ-binding motif), EZR, SNX27, SLC9A3R1 and SLC9A3R2.
Molecular Weight:	98 kDa
Gene ID:	4163
UniProt:	P23508

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Kinzler, K. W., Nilbert, M. C., Vogelstein, B., Bryan, T. M., Levy, D. B., Smith, K. J., Preisinger, A. C., Hamilton, S. R., Hedge, P., Markham, A., Carlson, M., Joslyn, G., Groden, J., White, R., Miki, Y., Miyoshi, Y., Nishisho, I., Nakamura, Y. Identification of a gene located at chromosome 5q21 that is mutated in colorectal cancers. Science 251: 1366-1370, 1991. 2. "MCC, a new interacting protein for Scrib, is required for cell migration in epithelial cells." Arnaud C., Sebbagh M., Nola S., Audebert S., Bidaut G., Hermant A., Gayet O., Dusetti N.J., Ollendorff V., Santoni M.J., Borg J.P., Lecine P. FEBS Lett. 583:2326-2332(2009). 3. "The PDZ-binding motif of MCC is phosphorylated at position -1 and controls lamellipodia formation in colon epithelial cells." Pangon L., Van Kralingen C., Abas M., Daly R.J., Musgrove E.A., Kohonen-Corish M.R. Biochim. Biophys. Acta 1823:1058-1067(2012).
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 Na ₂ HPO ₄ .
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.