Datasheet for ABIN7600225

anti-RANGAP1 antibody (AA 165-587)

Go to Product page

Overview

Quantity:	100 µg
Target:	RANGAP1
Binding Specificity:	AA 165-587
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RANGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-RANGAP1 Antibody Picoband®
Immunogen:	E.coli-derived human RANGAP1 recombinant protein (Position: A165-V587).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RANGAP1 Antibody Picoband® (ABIN7600225). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, 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:	RANGAP1
Alternative Name:	RANGAP1 (RANGAP1 Products)
Background:	Synonyms: CD3 antigen, epsilon polypeptide, CD3e molecule, Cd3e, Cd3e_predicted, rCG_58471 Background: Ran GTPase-activating protein 1 is an enzyme that in humans is encoded by the RANGAP1 gene. This gene encodes a protein that associates with the nuclear pore complex and participates in the regulation of nuclear transport. The encoded protein interacts with Ras-related nuclear protein 1 (RAN) and regulates guanosine triphosphate (GTP)-binding and exchange. Alternative splicing results in multiple transcript variants.
Molecular Weight:	70 kDa
Gene ID:	5905
UniProt:	P46060
Pathways:	M Phase, Protein targeting to Nucleus

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat 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. Bernier-Villamor, V., Sampson, D. A., Matunis, M. J., Lima, C. D. Structural basis for E2-mediated SUMO conjugation revealed by a complex between ubiquitin-conjugating enzyme Ubc9 and RanGAP1. Cell 108: 345-356, 2002. 2. Bischoff, F. R., Klebe, C., Kretschmer, J., Wittinghofer, A., Ponstingl, H. RanGAP1 induces GTPase activity of nuclear Ras-related Ran. Proc. Nat. Acad. Sci. 91: 2587-2591, 1994. 3. Bischoff, F. R., Krebber, H., Kempf, T., Hermes, I., Ponstingl, H. Human RanGTPase-activating protein RanGAP1 is a homologue of yeast Rna1p involved in mRNA processing and transport. Proc. Nat. Acad. Sci. 92: 1749-1753, 1995.
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

Handling

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.