Datasheet for ABIN7601133

anti-KRT20 antibody (AA 29-431)

Go to Product page

Overview

Quantity:	100 µg
Target:	KRT20
Binding Specificity:	AA 29-431
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KRT20 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Cytokeratin 20/Krt20 Antibody Picoband®
Immunogen:	E.coli-derived mouse Cytokeratin 20/Krt20 recombinant protein (Position: R29-V431).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Cytokeratin 20/Krt20 Antibody Picoband® (ABIN7601133). 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:	KRT20
Alternative Name:	Krt20 (KRT20 Products)
Background:	Synonyms: Keratin, type I cytoskeletal 20, Cytokeratin-20, CK-20, Keratin-20, K20, Krt20 Tissue Specificity: Expressed at low levels in the more differentiated suprabasal regions of the small intestine, and at higher levels in the colon, mainly in the upper region and in scattered cells throughout the remaining epithelium. Also expressed in epithelial cells of bladder, ileum and stomach and at lower levels in pancreas and earskin. The phosphorylated form is nearly exclusively expressed in goblet cells of the small intestine and in the lumen-proximal cells of the colon (at protein level). Also expressed in jejunum and duodenum. Background: Keratin 20, often abbreviated CK20, is a protein that in humans is encoded by the KRT20 gene. This gene encodes a member of the keratin protein family and is found within a cluster of cytokeratin genes on chromosome 11. Keratins are cytoskeletal proteins that are preferentially expressed in epithelial cells. The encoded protein may help maintain intermediate filament organization in intestinal epithelium. Phosphorylation of this protein may also influence mucin secretion in the small intestine.
Molecular Weight:	48 kDa
Gene ID:	66809
UniProt:	Q9D312

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human, Rat Flow Cytometry (Fixed)|1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

1. Calnek, D., Quaroni, A. Differential localization by in situ hybridization of distinct keratin mRNA species during intestinal epithelial cell development and differentiation. Differentiation 53: 95-104, 1993. 2. Moll, R., Schiller, D. L., Franke, W. W. Identification of protein IT of the intestinal cytoskeleton as a novel type I cytokeratin with unusual properties and expression patterns. J. Cell Biol. 111: 567-580, 1990. 3. Rogers, M. A., Langbein, L., Winter, H., Ehmann, C., Praetzel, S., Korn, B., Schweizer, J. Characterization of a cluster of human high/ultrahigh sulfur keratin-associated protein genes embedded in the type I keratin gene domain on chromosome 17q12-21. J. Biol. Chem. 276: 19440-19451, 2001.

Application Details

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, 0.2 mg Na2HPO4, 0.05 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.