Datasheet for ABIN7600283

anti-KRT4 antibody (AA 170-427)

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Overview

Quantity:	100 µg
Target:	KRT4
Binding Specificity:	AA 170-427
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KRT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Anti-Cytokeratin 4/KRT4 Antibody Picoband®
Immunogen:	E.coli-derived human Cytokeratin 4/KRT4 recombinant protein (Position: N170-S427).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Cytokeratin 4/KRT4 Antibody Picoband® (ABIN7600283). Tested in ELISA, IF, IHC, 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:	KRT4
Alternative Name:	KRT4 (KRT4 Products)
Background:	Synonyms: BAG family molecular chaperone regulator 5,BAG-5,Bcl-2-associated athanogene 5,BAG5,KIAA0873, Tissue Specificity: Expressed in all tissues examined with lower levels in brain and testis. Background: Keratin, type I cytoskeletal 4 also known as cytokeratin-4 (CK-4) or keratin-4 (K4) is a protein that in humans is encoded by the KRT4 gene. The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in differentiated layers of the mucosal and esophageal epithelia with family member KRT13. Mutations in these genes have been associated with White Sponge Nevus, characterized by oral, esophageal, and anal leukoplakia. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
Molecular Weight:	56 kDa
Gene ID:	3851
UniProt:	P19013

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Barletta, C., Batticane, N., Ragusa, R. M., Leube, R., Peschle, C., Romano, V. Subchromosomal localization of two human cytokeratin genes (KRT4 and KRT15) by in situ hybridization. Cytogenet. Cell Genet. 54: 148-150, 1990. 2. Barletta, C., Batticane, N., Ragusa, R. M., Leube, R. E., Franke, W. W., Peschle, C., Romano, V. Sub-chromosomal localization of human cytokeratin 4, 15, and 19 genes. (Abstract) Cytogenet. Cell Genet. 51: 958 only, 1989. 3. Chao, S.-C., Tsai, Y.-M., Yang, M.-H., Lee, J. Y.-Y. A novel mutation in the keratin 4 gene causing white sponge naevus. Brit. J. Derm. 148: 1125-1128, 2003.
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.