

Product datasheet for **TA349240**

KRT81 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Hela cells IHC: 15-50 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human KRT81
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	keratin 81
Database Link:	NP_002272 Entrez Gene 3887 Human Q14533



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Background:

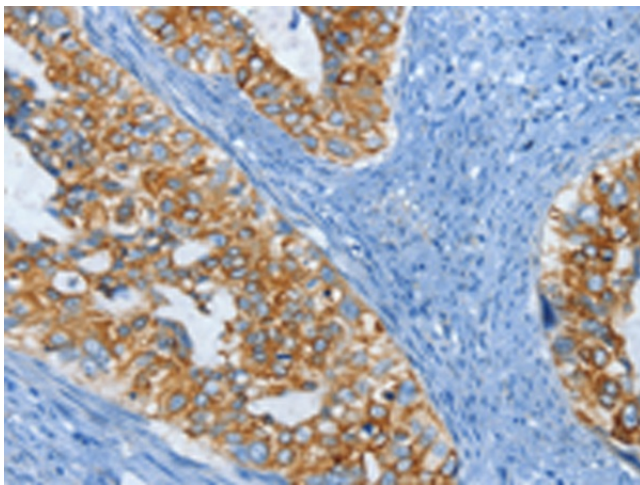
The protein encoded by this gene is a member of the keratin gene family. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. All hair keratins are expressed in the hair follicle; this hair keratin, as well as KRTHB3 and KRTHB6, is found primarily in the hair cortex. Mutations in this gene and KRTHB6 have been observed in patients with a rare dominant hair disease, monilethrix.

Synonyms:

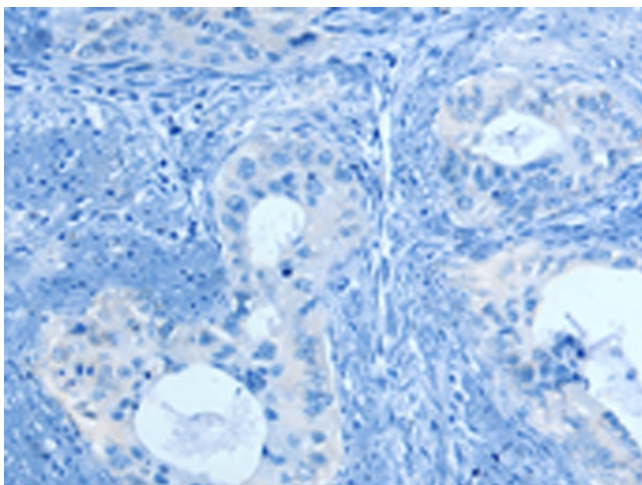
ghHkb1; Hb-1; HB1; hHAKB2-1; KRTHB1; MLN137

Product images:

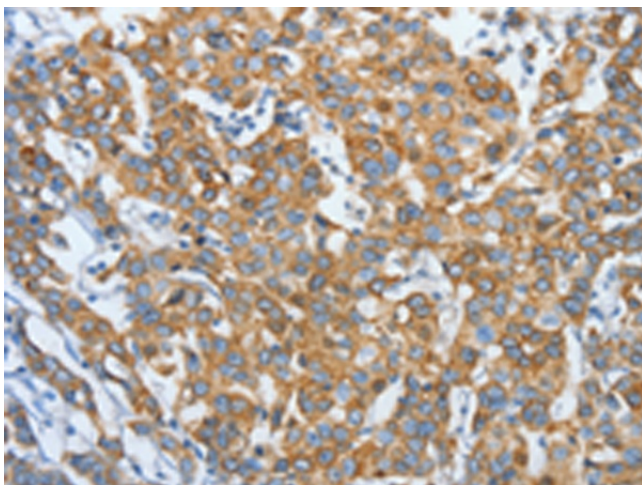
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: HeLa cells
Primary antibody: TA349240 (KRT81 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 30 seconds



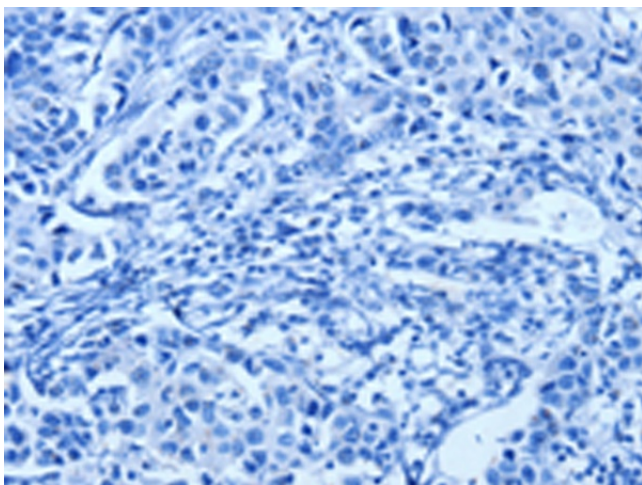
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA349240 (KRT81 Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA349240 (KRT81 Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA349240 (KRT81 Antibody) at dilution 1/15 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA349240 (KRT81 Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: $\times 200$)