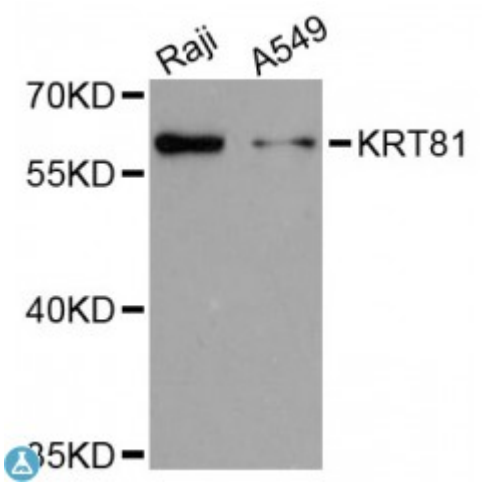
Anti-KRT81 Antibody



Description	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.

Model	STJ116223
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 240-390 of human KRT81 (NP_002272.2).
Gene ID	3887
Gene Symbol	KRT81
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Abundantly expressed in the differentiating cortex of growing (anagen) hair, Expression is restricted to the keratinocytes of the hair cortex and is absent from inner root sheath and medulla, Expressed in malignant lymph node tissue in breast carcinoma tissue

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Keratin type II cuticular Hb1 Hair keratin K2.9 Keratin hair basic 1 Keratin-81 K81 Metastatic lymph node 137 gene protein MLN 137 Type II hair keratin Hb1 Type-II keratin Kb21
Molecular Weight	54.928 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6458OMIM:158000Reactome:R-HSA-6805567
Alternative Names	Keratin type II cuticular Hb1 Hair keratin K2.9 Keratin hair basic 1 Keratin-81 K81 Metastatic lymph node 137 gene protein MLN 137 Type II hair keratin Hb1 Type-II keratin Kb21