

Product Name: KD-Validated Keratin 7 Rabbit Polyclonal Antibody**Catalog #: KVA00474**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 51.4kDa

Antigen Information

Gene Name	KRT7
Alternative Names	KRT7; Keratin 7; CK-7; SCL; K7; Keratin, Type II Cytoskeletal 7; Sarcolectin; K2C7; CK7; Keratin, 55K Type II Cytoskeletal; Type-II Keratin Kb7; Keratin 7, Type II; Cytokeratin 7; Keratin, Simple Epithelial Type I, K7; Type II Mesothelial Keratin K7; Cytokeratin-7; Keratin-7
Gene ID	3855.0
SwissProt ID	P08729
Immunogen	A synthesized peptide derived from human Cytokeratin 7

Background

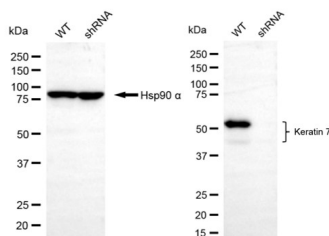
The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified

epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratin are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

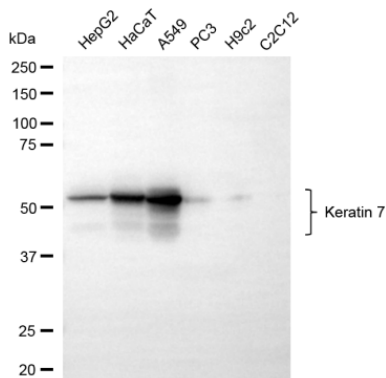
Research Area

Signal Transduction

Image Data



Western blotting analysis using keratin 7 antibody (KVA00474). Keratin 7 expression in wild-type (WT) and keratin 7 (KRT7) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with keratin 7 antibody (KVA00474, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using keratin 7 antibody (KVA00474). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with keratin 7 antibody (KVA00474, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.