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Rabbit Anti-Cytokeratin 9 antibody

SLM-52066R

Product Name	Cytokeratin 9
Chinese Name	细胞角蛋白 9Recombinant rabbit monoclonal anti
Alias	CK 9; CK-9; CK9; Cytokeratin-9; Cytokeratin9; EPPK; K1C9_HUMAN; K9; Keratin 9; Keratin; Keratin type I cytoskeletal 9; Keratin-9; Keratin9; KRT 9; KRT9; type I cytoskeletal 9.
Research Area	Cell biology Signal transduction
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	4F8
React Species	Human,Rat(predicted:Mouse)
Applications	WB=1:500-1000,IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	62kDa
Cellular localization	The nucleus cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human Cytokeratin 9 protein (300-450aa)
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	This gene encodes the type I keratin 9, an intermediate filament chain

expressed only in the terminally differentiated epidermis of palms and soles. Mutations in this gene cause epidermolytic palmoplantar keratoderma. [provided by RefSeq, Jul 2008]

Function:
May serve an important special function either in the mature palmar and plantar skin tissue or in the morphogenetic program of the formation of these tissues. Plays a role in keratin filament assembly.

Tissue Specificity:
Expressed in the terminally differentiated epidermis of palms and soles.

DISEASE:
Defects in KRT9 are a cause of palmoplantar keratoderma epidermolytic (EPPK) [MIM:144200]; also abbreviated as EHPPK. EPPK is a dermatological disorder characterized by diffuse thickening of the epidermis on the entire surface of palms and soles sharply bordered with erythematous margins. Some patients may present with knuckle pads, thick pads of skin appearing over the proximal phalangeal joints.

Similarity:
Belongs to the intermediate filament family.

SWISS:
P35527

Gene ID:
3857

Database links:

Entrez Gene: 3857 Human

Omim: 607606 Human

SwissProt: P35527 Human

Unigene: 654569 Human

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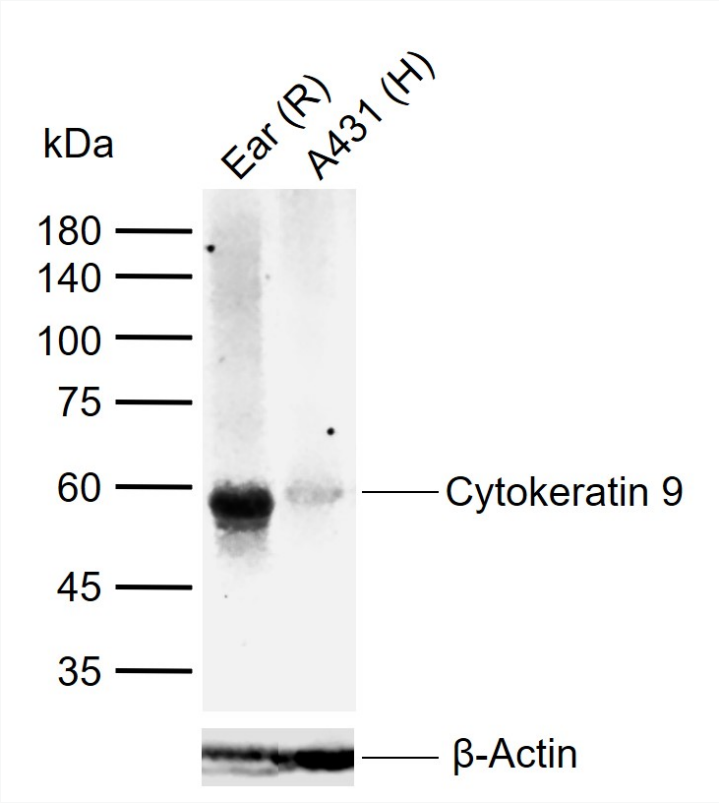
Product Picture



Sample:

Lane 1: Rat Ear tissue lysates

Lane 2: Human A431 cell lysates

Primary: Anti-Cytokeratin 9 (SLM-52066R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62 kDa

Observed band size: 60 kDa