

K1C9 Rabbit pAb

CatalogNo: YN0243

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 68kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 340-420

Specificity K1C9 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name KRT9

Protein Name Keratin, type I cytoskeletal 9 (Cytokeratin-9) (CK-9) (Keratin-9) (K9)

Organism	Gene ID	UniProt ID
Human	3857 ;	P35527 ;
Mouse		Q6RHW0 ;
Rat		Q8CIS9 ;

Cellular Localization extracellular space,nucleus,intermediate filament,membrane,extracellular exosome,

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

Function Caution:Was originally (PubMed:2140676) thought to be a 60 kDa chain of placental scatter protein.,Disease:Defects in KRT9 are a cause of palmoplantar keratoderma epidermolytic (EPPK) [MIM:144200]; also abbreviated 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.,Disease:Knuckle pads are sometimes associated with EPPK [MIM:149100]. Knuckle pads consist of an autosomal dominant trait, in which thick pads of skin appear over the proximal phalangeal joints.,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.,induction:Induced by intrinsic regulatory mechanisms and by extrinsic signals from a subset of dermal palmoplantar fibroblasts.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin, I (acidic) and II (neutral to basic) (40-55 and 56-70 kDa, respectively).,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins.,tissue specificity:Expressed in the terminally differentiated epidermis of palms and soles.,

Validation Data

Contact information

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