

## Cytokeratin 9 polyclonal antibody

Catalog: BS90390

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cytokeratins comprise a diverse group of intermediate filament proteins that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratin 9 is an unusually large, type I acidic cytokeratin that differentiates human plantar and palmar epidermal cells. Cytokeratin 9 localizes to the suprabasal layers as well as the upper epidermal layers such as the glandular ridges and interridges. The domains of cytokeratin 9 include a head, an  $\alpha$ -helical coiled-coil-forming rod, and a tail; cytokeratin 9 shares significant homology with cytokeratin 10. Mutations in the cytokeratin 9 gene correlate with the development of epidermolytic palmoplantar keratoderma (EPPK), an autosomal dominant inherited skin disorder that is characterized by hyperkeratosis of the skin over the palms and soles.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

62 kDa

### Swiss-Prot:

P35527(Human) Q6RHW0(Mouse) Q8CIS9(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

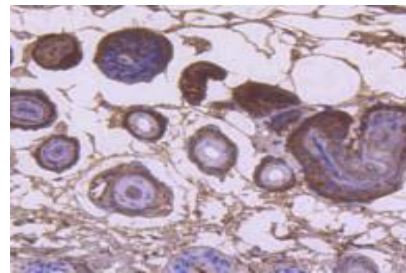
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

Cytokeratin 9 polyclonal antibody detects endogenous levels of Cytokeratin 9 protein.

### DATA:



Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Cytokeratin 9 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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