

Cytokeratin 1 polyclonal antibody

Catalog: BS90373

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins constitute up to 85% of a mature keratinocytes in the vertebrate epidermis. Cytokeratins play a critical role in differentiation and tissue specialization, and they function to maintain the overall structural integrity of epithelial cells. The alpha-helical coiled-coil dimers associate laterally end-to-end to form 10-nm diameter filaments. Cytokeratins are useful markers of tissue differentiation, and they aid in the characterization of malignant tumors. Cytokeratin 1 is highly expressed in several malignancies including epithelioid hemangioendotheliosarcomas, angiosarcomas, schwannomas, epithelioid sarcomas and synovial sarcomas. The gene encoding human Cytokeratin 1 maps to chromosome 12q13.13. Mutations in the gene encoding human Cytokeratin 1 lead to abnormal filament associations and epidermolytic hyperkeratosis.

Product:

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

Molecular Weight:

72 kDa

Swiss-Prot:

P04264(Human) P04104(Mouse) Q6IMF3(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

IHC:1:100-1:500

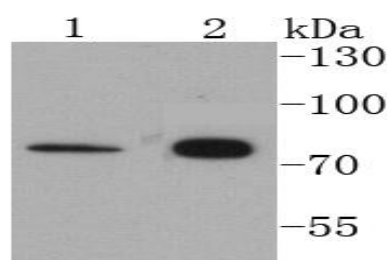
Storage&Stability:

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

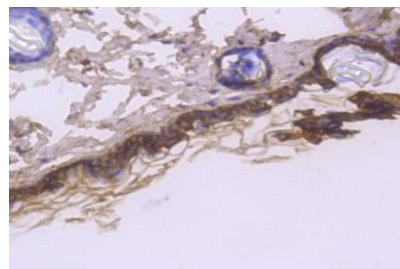
Specificity:

Cytokeratin 1 polyclonal antibody detects endogenous levels of Cytokeratin 1 protein.

DATA:



Western blot analysis of Cytokeratin 1 on different lysates using anti-Cytokeratin 1 antibody at 1/1,000 dilution. Positive control: Lane 1: 293T Lane 2: HeLa



Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Cytokeratin 1 antibody. Counter stained with hematoxylin.

Note:

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

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