



## Cytokeratin 14 polyclonal antibody

Catalog: BS60854

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed in pairs in both keratinized and non-keratinized epithelial tissue, where they constitute up to 85% of mature keratinocytes in the vertebrate epidermis. Cytokeratins play a critical role in differentiation and tissue specialization and 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, in addition, they aid in the characterization of malignant tumors. In Bowen's disease, the characteristic malignancy of the epidermis exhibits distinct expression patterns of Cytokeratin 14. The gene encoding human Cytokeratin 14 maps to chromosome 17q12-21. Mutations in this gene lead to epidermolysis bullosa simplex, an inherited skin disorder characterized by skin blistering due to basal keratinocyte fragility.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.8.

### Molecular Weight:

~ 52 kDa

### Swiss-Prot:

P02533

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

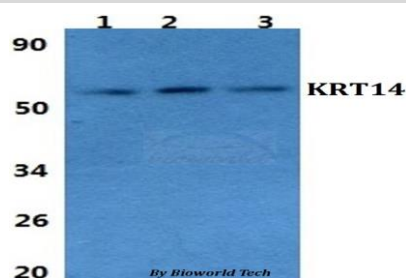
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -25 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Cytokeratin 14 polyclonal antibody detects endogenous levels of Cytokeratin 14 protein.

### DATA:



Western blot (WB) analysis of Cytokeratin 14 polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:H9C2 whole cell lysate

Lane3:Raw264.7 whole cell lysate

### Note:

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

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