

## Product Datasheet

### pan Cytokeratin Polyclonal Antibody GRP427

#### Description

Cytokeratins are proteins of keratin-containing intermediate filaments found in the intracytoplasmic cytoskeleton of epithelial tissue. The cytokeratins are encoded by a family encompassing 30 genes. Among them, 20 are epithelial genes and the remaining 10 are specific for trichocytes. In the cytoplasm, the keratin filaments conform a complex network which extends from the surface of the nucleus to the cell membrane. Numerous accessory proteins are involved in the genesis and maintenance of such structure. This association between the plasma membrane and the nuclear surface provides important implications for the organization of the cytoplasm and cellular communication mechanisms. Apart from the relatively static functions provided in terms of supporting the nucleus and providing tensile strength to the cell, the cytokeratin networks undergo rapid phosphate exchanges mediated depolymerization, with important implications in the more dynamic cellular processes such as mitosis and post-mitotic period, cell movement and differentiation. Cytokeratins interact with desmosomes and hemidesmosomes, thus collaborating to cell-cell adhesion and basal cell-underlying connective tissue connection.

#### Species/Host

Rabbit

#### Reactivity

Human, Mouse, Rat, Pig

#### Conjugation

Unconjugated

#### Tested Applications

IF, IHC-Fr, IHC-P, WB

#### Immunogen

KLH conjugated synthetic peptide derived from human pan cytokeratin (public\_immunogen\_range: 170-210/644)

#### Form/Appearance

Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.

#### Concentration

1ug/ul

#### Storage

Store at -20°C for 12 months.

#### Note

For research use only.

#### Isotype

IgG

#### Clonality

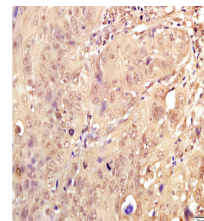
Polyclonal

#### Purity

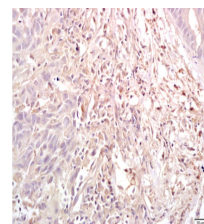
Purified by Protein A.

#### Dilution Range

WB: 1:300-1000, IHC-P: 1:200-400, IHC-Fr: 1:100-500, IF: 1:50-200



WB of GRP427



IHC-P of GRP427