German Research Products - GRP GmbH

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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.

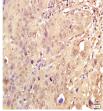
Isotype IgG

Clonality Polyclonal

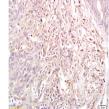
Purity Purified by Protein A.

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