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AM09125SU-N Monoclonal Antibody to Cytokeratin 18 (Multi-Epitope Cocktail) - Supernatant

Alternate names: CK18, CYK18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, K18, KRT18, Keratin 18, Keratin type I cytoskeletal 18, Keratin-18

Quantity: 5 ml

Background: Cytokeratin 18 is an acidic keratin which is found primarily in non-squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas. Cytokeratin 18 exists in combination with Cytokeratin 8, a basic keratin. Hepatocellular carcinomas express only Cytokeratins 8 and 18.

Uniprot ID: P05783

NCBI: NP_000215

GeneID: 3875

Host / Isotype: Mouse / IgG1

Clone: Ks18.04/18.27/18.5/9B1/18.174

Immunogen: Keratin K18 of Human and Bovine origin.

Format:
State: Hybridoma Culture Supernatant
Preservatives: 0.09% Sodium Azide

Applications:
Immunoblotting (Western).
Immunohistochemistry on Frozen and paraffin-Embedded Tissue (only when using the microwave method) and **Cytological Material.**
Working Dilution: Ready-to-use for Immunohistochemistry.
Incubation Time: 1h at RT, extended with paraffin sections (over night at 2-8°C).
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: The antibody cocktail represents an excellent marker to discriminate simple epithelia from those of different origin.
Tumors Specifically Detected: all adenocarcinoma; mammary carcinoma, urinary bladder carcinoma, undifferentiated carcinoma, cervix carcinoma, hepatocellular carcinoma.
Polypeptide Reacting: Mr 45 000 polypeptide (human and bovine K18; formerly also designated cytokeratin 18) of all simple type epithelia and basal cells of many squamous, nonepidermal epithelia.
Reactivities on Cultured Cell Lines: HeLa and MCF-7.

Species Reactivity: **Tested:** Human (most mammals incl. Mouse, Rat, Sheep, Bovine, Pig, Canine (Dog), Hamster); Fish (Trout).

Storage: Store the antibody undiluted at 2-8°C.
Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.