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36-1343: Monoclonal Antibody to Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin)(Clone : SPM269)

Clonality :	Monoclonal
Clone Name :	SPM269
Application :	FACS,IF,IHC
Reactivity :	Human, Mouse
Gene :	KRT6A
Gene ID :	3853
Uniprot ID :	P02538
Format :	Purified
Alternative Name :	KRT6A,K6A,KRT6D
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	A synthetic peptide of 11 amino acids (GSSTIKYTTTS) from C-terminus of human keRatin 6

Description

This MAb recognizes a protein of 56kDa, identified as cytokeratin 6 (CK6). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns, and Cytokeratin 6A is the dominant form in epithelial tissue. The gene encoding human Cytokeratin 6A maps to chromosome 12q13, and mutations in this gene are linked to several inheritable hair and skin pathologies. Keratins 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Keratin 6 is found in hair follicles, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyper-proliferative situations. Epidermal injury results in activation of keratinocytes, which express CK6 and CK16. CK6 is strongly expressed in about 75% of head and neck squamous cell carcinomas. Expression of CK6 is particularly associated with differentiation.

Product Info

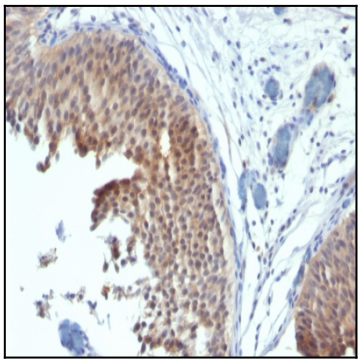
Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin/paraffin tissues is enhanced by digestion of tissue sections with pepsin (Sigma Cat. #P-7012) at 1mg/ml Tris-HCl, pH 2.0 for 10-15 min at RT)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 6 Monoclonal Antibody (SPM269)

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