

Product datasheet for **AM50257PU-S**

KRT6A Mouse Monoclonal Antibody [Clone ID: LHK6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LHK6
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use Antibody without BSA for Coating. Flow Cytometry: 0.5-1 µg/10 ⁶ cells. Immunofluorescence: 0.5-1 µg/ml. Western Blot: 0.5-1 µg/ml. Immunoprecipitation: 0.5-1 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin/paraffin tissues is enhanced by digestion of tissue sections with pepsin at 1mg/ml Tris-HCl, pH 2.0 for 10-15 min at RT. Positive Control: Suprabasal cells of the outer hair follicle root sheath in skin, Basal cell carcinoma.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of 11 amino acids (GSSTIKYTTTS) from C-terminus of human keratin 6.
Specificity:	This Monoclonal Antibody recognizes a protein of 56kDa, identified as Cytokeratin 6 (CK6). Cellular Localization: Cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromtaography
Conjugation:	Unconjugated



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Storage: Store undiluted at 2-8°C.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 56 kDa

Gene Name: keratin 6A

Database Link: [Entrez Gene 3853 Human P02538](#)

Background: 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.

Synonyms: Cytokeratin 6, KRT-6, K6, KRT6A, KRT6D, KRT6B, KRT6C, KRT6E, KRTL1