

Product datasheet for **AM20610PU-N**

Cytokeratin 7 (KRT7) Mouse Monoclonal Antibody [Clone ID: CK-7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CK-7
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1 - 2 µg/ml. Immunohistochemistry on frozen and paraffin sections: 2 - 4 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytoskeletal preparation of the RT4human bladder carcinoma cell line.
Specificity:	This antibody reacts to Cytokeratin 7.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 7
Database Link:	Entrez Gene 3855 Human P08729



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Background:	KRT7 is a type II keratin of simple nonkeratinizing epithelia. The deduced 489-amino acid protein has a calculated molecular mass of about 54 kD. K7 contains 4 central alpha-helical segments with heptad repeats of hydrophobic residues characteristic of a coiled-coil region. Within this domain, K7 shares 73% homology with epidermal K6B. KRT7 gene contains 9 exons and spans more than 15.6 kb. K7 gene is mapped to chromosome 12. Keratin 7 is expressed in a wide range of epithelial structures in humans.
Synonyms:	KRT7, KRT-7, SCL, CK-7, CK7, Keratin-7, K7, K-7, Sarcolectin
Protein Families:	ES Cell Differentiation/IPS