

Product datasheet for **TA399824**

KRT20 Rabbit Monoclonal Antibody [Clone ID: 10A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10A2
Applications:	ELISA, IHC, WB
Reactivity:	Human
Modifications:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format for improved compatibility with existing reagents assays and techniques.
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing female ICR mice with recombinant human CK20 histidine-tagged fusion protein in Freund's complete adjuvant.
Specificity:	<p>This antibody binds human cytokeratin 20. Cytokeratins are intermediate filaments found in the intracytoplasmic cytoskeleton of epithelial tissue. There are 19 keratin polypeptides are found in human epithelium. Cytokeratin 20 plays a significant role in maintaining keratin filament organization in intestinal epithelia. When phosphorylated, it plays a role in the secretion of mucin in the small intestine.</p> <p>The binding characterization of this antibody was done using ELISA. The affinity constant of the original IgG2a antibody was determined to be $1.92 \times 10^9 \text{ M}^{-1}$. This antibody was capable of detecting recombinant CK20 protein in a western blot assay. This antibody is similar to commercially available anti-Cytokeratin 20 antibody KS20.8 in staining various human tissues. This antibody was used in the immunohistochemical staining of stomach epithelial tissues and gastric adenocarcinomas (CN113583120).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Database Link:	P35900



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Synonyms:

CGMCC NO 20764; CK-20; CK20; Cytokeratin-20; K20; Keratin-20; Keratin type I cytoskeletal 20; KRT20; KS20.8; Protein IT