

Datasheet for ABIN7543325

## Recombinant anti-KRT20 antibody



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### Overview

|                |                                                          |
|----------------|----------------------------------------------------------|
| Quantity:      | 200 µg                                                   |
| Target:        | KRT20                                                    |
| Reactivity:    | Human                                                    |
| Host:          | Mouse                                                    |
| Antibody Type: | Recombinant Antibody                                     |
| Clonality:     | Monoclonal                                               |
| Conjugate:     | This KRT20 antibody is un-conjugated                     |
| Application:   | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Anti-Cytokeratin 20 [10A2], Mouse IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen:       | The original antibody was generated by immunizing female ICR mice with recombinant human CK20 histidine-tagged fusion protein in Freund's complete adjuvant.                                                                                                                                                                                                                                                             |
| Clone:           | 10A2                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype:         | IgG2a kappa                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity:     | 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. |
| Characteristics: | Original Species of Ab: Mouse                                                                                                                                                                                                                                                                                                                                                                                            |

## Product Details

|               |                              |
|---------------|------------------------------|
|               | Original Format of Ab: IgG2a |
| Purification: | Protein A affinity purified  |

## Target Details

|                   |                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------|
| Target:           | KRT20                                                                                                                   |
| Alternative Name: | Cytokeratin 20 ( <a href="#">KRT20 Products</a> )                                                                       |
| Background:       | CK20, CK-20, K20, KRT20, Cytokeratin-20, Keratin-20, Keratin type I cytoskeletal 20 ,Protein IT, CGMCC NO 20764, KS20.8 |
| UniProt:          | <a href="#">P35900</a>                                                                                                  |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | 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). |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Handling

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 1 mg/mL                                                                                                           |
| Buffer:            | PBS with 0.02 % Proclin 300.                                                                                      |
| Preservative:      | ProClin                                                                                                           |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C                                                                                                       |
| Storage Comment:   | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.                                  |