Datasheet for ABIN6940975

# anti-TNFRSF10B antibody (AA 266-393)

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## 3 Images

## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | TNFRSF10B |
| Binding Specificity: | AA 266-393 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This TNFRSF10B antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Staining Methods (StM) |

## Product Details

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| Immunogen: | Recombinant human DR5 protein fragment (around aa266-393) (exact sequence is proprietary) |
| Clone: | DR5-3381 |
| Isotype: | IgG1 kappa |
| Purification: | Purified by Protein A/G |

## Target Details

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| Target: | TNFRSF10B |
| Alternative Name: | TNFRSF10B (TNFRSF10B Products) |
| Background: | Tumor necrosis factor (TNF) is a pleiotropic cytokine whose function is mediated by two distinct cell surface receptors, designated TNF-R1 and TNF-R2, which are expressed on most |

## Target Details

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| | cell types. TNF function is primarily mediated through TNF-R1 signaling. Both receptors belong to the growing TNF receptor superfamily which includes Fas antigen and CD40. TNF-R1 contains a cytoplasmic motif, termed the death domain , that has been found to be necessary for the transduction of the apoptotic signal. The death domain is also found in several other receptors, including Fas, DR2 (or TRUNDD), DR3 (death receptor 3), DR4 and DR5. TRUNDD, DR4 and DR5 are receptors for the apoptosis-inducing cytokine TRAIL. A non-death domain-containing receptor, designated decoy receptor (DcR1 or TRID), also specifically associates with TRAIL and may play a role in cellular resistance to apoptotic stimuli. |
| Molecular Weight: | 48kDa |
| Gene ID: | 8795, 521456 |
| Pathways: | p53 Signaling, Apoptosis, Positive Regulation of Endopeptidase Activity |

## Application Details

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| Application Notes: | Positive Control: Human colon cancer or endometrial tissue (IHC).<br>Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. |
| Restrictions: | For Research Use only |

## Handling

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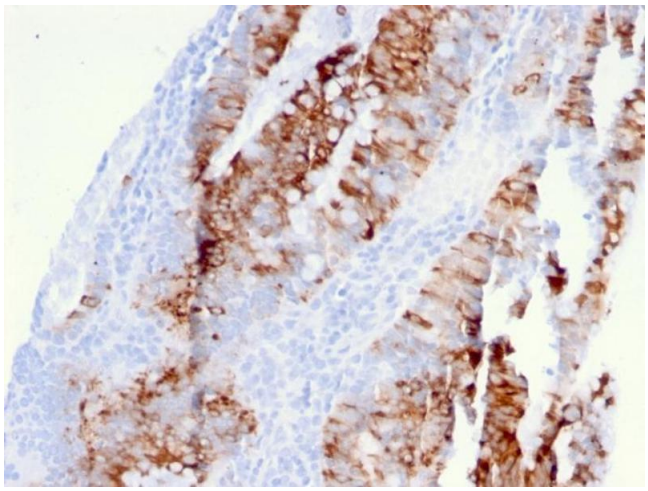
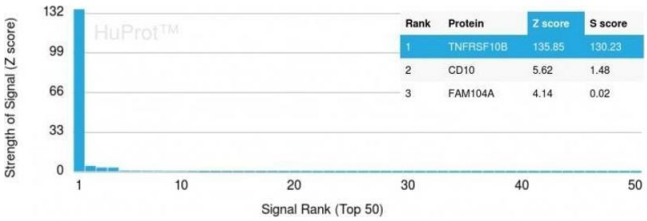
| Concentration: | 200 µg/mL |
| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-80 °C |
| Storage Comment: | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
| Expiry Date: | 24 months |



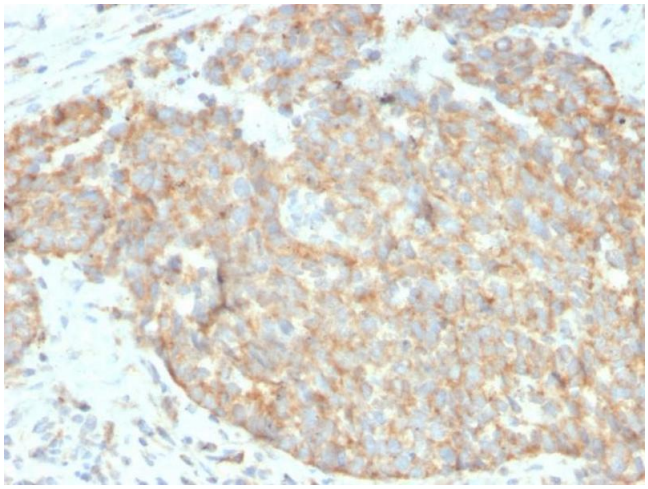
## Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human colon carcinoma stained with DR5 Mouse Monoclonal Antibody (DR5/3381).




## Protein Array

**Image 2.** Analysis of Protein Array containing >19,000 full-length human proteins using DR5 Mouse Monoclonal Antibody (DR5/3381) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



**Immunohistochemistry**

**Image 3.** Formalin-fixed, paraffin-embedded human breast carcinoma stained with DR5 Mouse Monoclonal Antibody (DR5/3381).