

Datasheet for ABIN6938498  
**anti-TACSTD2 antibody (AA 31-274)**



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## Overview

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                          |
| Target:              | TACSTD2                                                                         |
| Binding Specificity: | AA 31-274                                                                       |
| Reactivity:          | Human                                                                           |
| Host:                | Mouse                                                                           |
| Clonality:           | Monoclonal                                                                      |
| Application:         | Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) |

## Product Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:                  | Recombinant fragment of human TACSTD2 protein (around aa 31-274) (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clone:                      | TACSTD2-2151                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype:                    | IgG2b kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity:                | TACSTD2 is a cell surface glycoprotein receptor. It is a single pass type I membrane protein containing one thyroglobulin type-1 domain, an epidermal growth factor-like repeat, a phosphatidylinositol binding site and tyrosine phosphorylation sites near the C-terminus. It plays a role in transducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. It is also highly expressed in several types of tumors and is involved in regulating the growth of carcinoma cells. |
| Cross-Reactivity (Details): | Human.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purification:               | 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Target Details

|                   |                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TACSTD2                                                                                                                                                                                                                                                                           |
| Alternative Name: | TACSTD2 ( <a href="#">TACSTD2 Products</a> )                                                                                                                                                                                                                                      |
| Background:       | Cell surface glycoprotein Trop-2, Membrane Component Chromosome 1, Surface Marker 1 (M1S1), Pancreatic Carcinoma Marker Protein GA733-1, TROP2, Tumor-Associated Calcium Signal Transducer 2 (TACSTD2),TACSTD2 / TROP2 (Epithelial Marker)<br>Cellular localisation: Cell Surface |
| Molecular Weight: | 40kDa                                                                                                                                                                                                                                                                             |
| Gene ID:          | 4070, 23582                                                                                                                                                                                                                                                                       |
| UniProt:          | <a href="#">P09758</a>                                                                                                                                                                                                                                                            |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Application Notes: | Known_Application: Western Blot (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.<br>Positive_Control: HT29 cells. Human breast or colon carcinoma. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                             |

## Handling

|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Concentration:   | 1.0 mg/mL                                                                                       |
| Buffer:          | Prepared in 10 mM PBS, WITHOUT BSA and Azide.                                                   |
| Preservative:    | Azide free                                                                                      |
| Storage:         | -20 °C,-80 °C                                                                                   |
| Storage Comment: | Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. |
| Expiry Date:     | 24 months                                                                                       |