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**Product Name: TACSTD2 Mouse Monoclonal Antibody****Catalog #: AMM82626**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | WB,IHC,ELISA,FC   |
| <b>Reactivity</b>    | Human   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG2b   |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 25.5kDa  |

**Antigen Information**

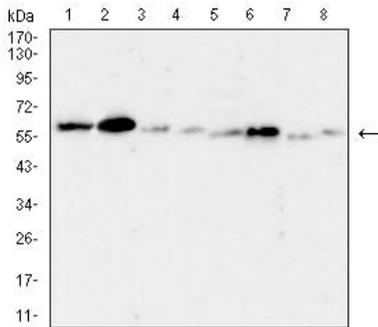
|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | TACSTD2  |
| <b>Alternative Names</b> | EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1  |
| <b>Gene ID</b>           | 4070.0   |
| <b>SwissProt ID</b>      | P09758   |
| <b>Immunogen</b>         | Purified recombinant fragment of human TACSTD2 (AA: Extra(27-274)) expressed in E. Coli. |

**Background**

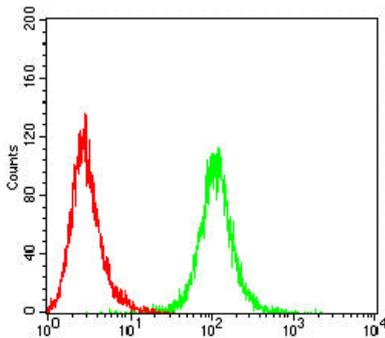
This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.[provided by RefSeq, Dec 2009]

## Research Area

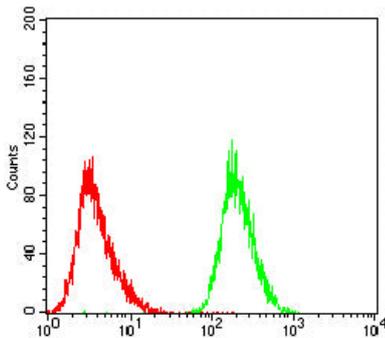
## Image Data



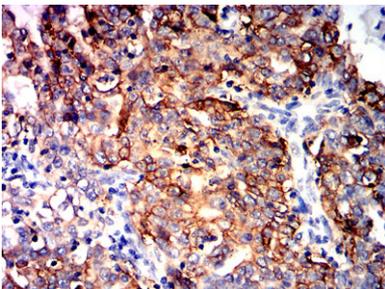
Western blot analysis using TACSTD2 mouse mAb against A431 (1), HCT116 (2), PC-3 (3), MCF-7 (4), SK-BR-3 (5), T47D (6), HEK293 (7), and HEK293-6e (8) cell lysate.



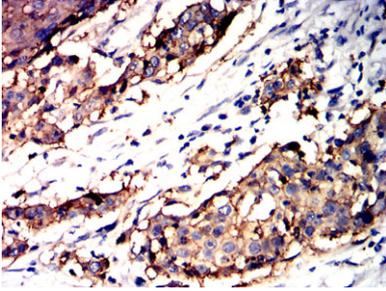
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Flow cytometric analysis of HepG2 cells using TACSTD2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using TACSTD2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using TACSTD2 mouse mAb with DAB staining.