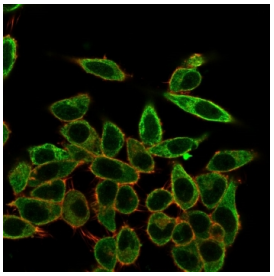
# SFMBT2 Antibody [clone PCRP-SFMBT2-2E12] (V4082)

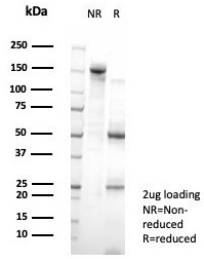
| Catalog No. | Formulation | Size |
|---|---|---|
| V4082-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4082-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4082SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

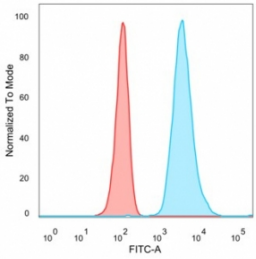
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2c |
| **Clone Name** | PCRP-SFMBT2-2E12 |
| **Purity** | Protein A/G affinity |
| **UniProt** | Q5VUG0 |
| **Localization** | Nucleus |
| **Applications** | Flow cytometry: 1-2ug/million cells<br>Immunofluorescence: 1-2ug/ml |
| **Limitations** | This SFMBT2 antibody is available for research use only. |



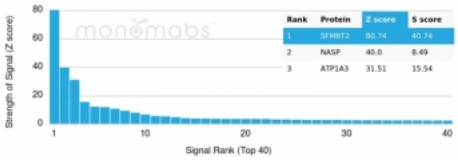
Immunofluorescent staining of PFA-fixed human HeLa cells with SFMBT2 antibody (clone PCRP-SFMBT2-2E12) followed by goat anti-mouse IgG-CF488 (green); Red = CF640R phalloidin.




SDS-PAGE analysis of purified, BSA-free SFMBT2 antibody (clone PCRP-SFMBT2-2E12) as confirmation of integrity and purity.




Flow cytometry testing of PFA-fixed human HeLa cells with SFMBT2 antibody (clone PCRP-SFMBT2-2E12) followed by goat anti-mouse IgG-CF488 (blue); Red = unstained cells.




Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using SFMBT2 antibody (clone PCRP-SFMBT2-2E12). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a mAb to its intended target. A mAb is considered to specific to its intended target, if the mAb has an S-score of at least 2.5. For example, if a mAb 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 mAb to protein X is equal to 29.

## Description

The SFMBT2 (Scm-like with four MBT domains 2) gene shares high similarity with the Drosophila Scm (sex comb on midleg) gene. Sfmbt2 is a Polycomb group (PcG) gene that maps to the proximal region of Chromosome 2, and is a putative imprinted gene. Sfmbt2 is the first imprinted gene within this region to be identified. Studies indicate that six different translocations involving proximal chromosome 2 results in lethality when present as a maternal uniparental duplication.

## Application Notes

Optimal dilution of the SFMBT2 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human SFMBT2 protein was used as the immunogen for the SFMBT2 antibody.

## Storage

Aliquot the SFMBT2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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