

Anti-TSC22D1 Antibody (9I490)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 9I490 |
| Purification: | Protein A |

Applications

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| Verified Activity: | Immunofluorescence staining of Human TSC22D1 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human TSC22D1 monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to nucleus and cytoplasm. |
| Application: | ICC/IF |
| Recommended | ICC-IF: 1:20-1:100 |

Properties

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| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Recombinant Protein: Human TSC22D1 protein (TMPY-02400) |
| Antigen Species: | Human |
| Synonyms: | TGFB114;TSC22 domain family, member 1;Ptg-2;TSC22 |

Research Background

TSC22 domain family, member 1 (TSC22D1) is one of the TGF-beta-stimulated clone-22 (TSC-22). TSC-22 was reported to be a differentiation-inducing factor that negatively regulates the growth of salivary gland cancer cells. TSC22D1, which encodes transforming growth factor beta-stimulated clone 22 (TSC-22), is thought to be a tumor suppressor because its expression is lost in many glioblastoma, salivary gland, and prostate cancers. TSC-22 is the founding member of the TSC-22/DIP/Bun family of leucine zipper transcription factors. TSC-22 may play an important role in maintaining the differentiated phenotype in salivary gland tumors, and may be a possible target of leukemia therapy. TSC22D1 forms homodimers via its conserved leucine zipper domain and heterodimerizes with TSC22D4. TSC22D1 has transcriptional repressor activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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