

Anti-TRAPPC4 antibody

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|-----------------|---|
| Cat. No. | ml123893 |
| Package | 25 µl/100 µl/200 µl |
| Storage | -20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |

Product overview

| | |
|---------------------|---|
| Description | Anti-TRAPPC4 rabbit polyclonal antibody |
| Applications | ELISA, IHC |
| Immunogen | Full length fusion protein |
| Reactivity | Human, Mouse, Rat |
| Content | 0.3 mg/ml |
| Host species | Rabbit |
| Ig class | Immunogen-specific rabbit IgG |
| Purification | Antigen affinity purification |

Target information

| | |
|------------------|--|
| Symbol | TRAPPC4 |
| Full name | trafficking protein particle complex 4 |
| Synonyms | SBDN; TRS23; PTD009; CGI-104; HSPC172; SYNBINDIN |
| Swissprot | Q9Y296 |

Target Background

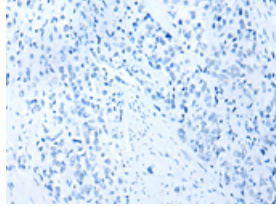
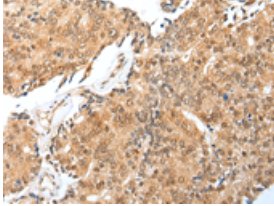
TRAPPC4 (trafficking protein particle complex 4), also known as SBDN, TRS23, PTD009, CGI-104, HSPC172 (hematopoietic stem/progenitor cell protein 172) or SYNBINDIN, is a postsynaptic protein belonging to the TRAPPC4 subfamily of the TRAPP small subunits family of proteins. Expressed in neurons and localizing to the Golgi apparatus, TRAPPC4 is believed to be involved in vesicular transport from the endoplasmic reticulum (ER) to the Golgi, functioning as a component of the multisubunit transport protein particle (TRAPP) complex. Similar to other proteins involved in vesicular transport or synaptic function, TRAPPC4 contains a nonclassical PDZ domain, a TRAPPC1-like domain and a C-terminus that is similar to a short segment of RyR. Via its nonclassical PDZ domain, TRAPPC4 binds to the C-terminal EFYA motif of Syndecan-2, suggesting that TRAPPC4 may play an important role in dendritic spine morphogenesis through membrane-trafficking. May play a role in vesicular transport from endoplasmic reticulum to Golgi.

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Applications

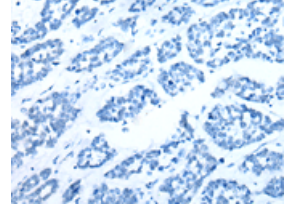
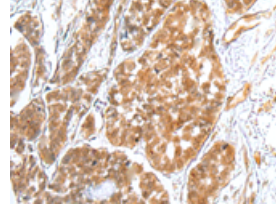
Immunohistochemistry

Predicted cell location: Nucleus and Cytoplasm
Positive control: Human prostate cancer
Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using ml123893(TRAPPC4 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Nucleus and Cytoplasm
Positive control: Human esophagus cancer
Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml123893(TRAPPC4 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

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