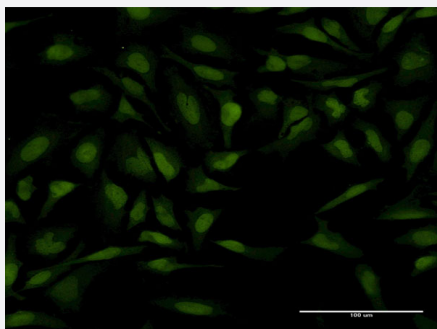


PTTG1 monoclonal antibody (M21), clone 1G10

Catalog # H00009232-M21

Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to PTTG1 on HeLa cell .
[antibody concentration 10 ug/ml]

Specification

Product Description Mouse monoclonal antibody raised against a full-length recombinant PTTG1.

Immunogen PTTG1 (NP_004210, 93 a.a. ~ 113 a.a) synthetic peptide.

Sequence CKTVKAKSSVPASD

Host Mouse

Reactivity Human

Interspecies Antigen Sequence Mouse (71); Rat (71)

Isotype IgG2b Kappa

Quality Control Testing Antibody Reactive Against Recombinant Protein.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to PTTG1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PTTG1

Entrez GeneID [9232](#)

GeneBank Accession# [NM_004219](#)

Protein Accession# [NP_004210](#)

Gene Name PTTG1

Gene Alias EAP1, HPTTG, MGC126883, MGC138276, PTTG, TUTR1

Gene Description pituitary tumor-transforming 1

Omim ID [604147](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The encoded protein is a homolog of yeast securin proteins, which prevent separins from promoting sister chromatid separation. It is an anaphase-promoting complex (APC) substrate that associates with a separin until activation of the APC. The gene product has transforming activity in vitro and tumorigenic activity in vivo, and the gene is highly expressed in various tumors. The gene product contains 2 PXXP motifs, which are required for its transforming and tumorigenic activities, as well as for its stimulation of basic fibroblast growth factor expression. It also contains a destruction box (D box) that is required for its degradation by the APC. The acidic C-terminal region of the encoded protein can act as a transactivation domain. The gene product is mainly a cytosolic protein, although it partially localizes in the nucleus. [provided by RefSeq]

Other Designations

ESP1-associated protein 1|OTTHUMP00000160845|pituitary tumor-transforming protein 1|securin|tumor-transforming protein 1

Pathway

- [Cell cycle](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosomal Instability](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Ovarian Neoplasms](#)
- [Psoriasis](#)