

## Product datasheet for **TA322695S**

### MTOR Rabbit Polyclonal Antibody

#### Product data:

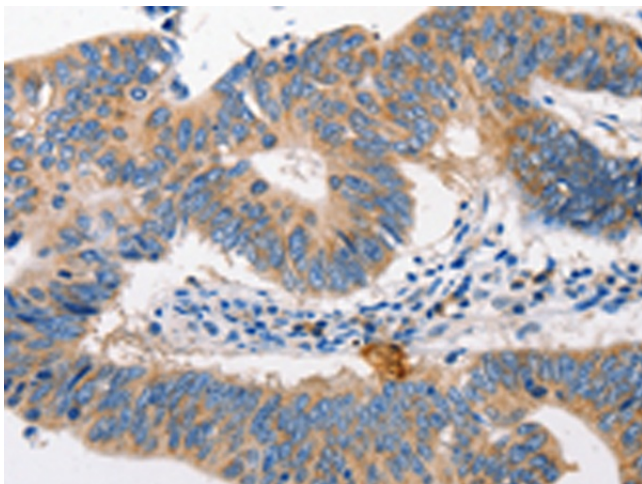
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 2506-2519 amino acids of human mechanistic target of rapamycin (serine/threonine kinase)
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	mechanistic target of rapamycin
Database Link:	<a href="#">NP_004949</a> <a href="#">Entrez Gene 56717 Mouse</a> <a href="#">Entrez Gene 56718 Rat</a> <a href="#">Entrez Gene 2475 Human</a> <a href="#">P42345</a>
Background:	The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene.
Synonyms:	FRAP; FRAP1; FRAP2; RAFT1; RAPT1; SKS
Protein Families:	Druggable Genome, Protein Kinase



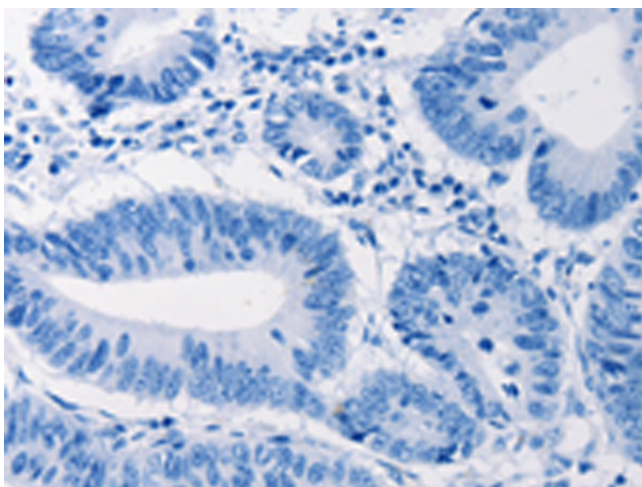
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**Protein Pathways:** Acute myeloid leukemia, Adipocytokine signaling pathway, ErbB signaling pathway, Glioma, Insulin signaling pathway, mTOR signaling pathway, Pathways in cancer, Prostate cancer, Type II diabetes mellitus

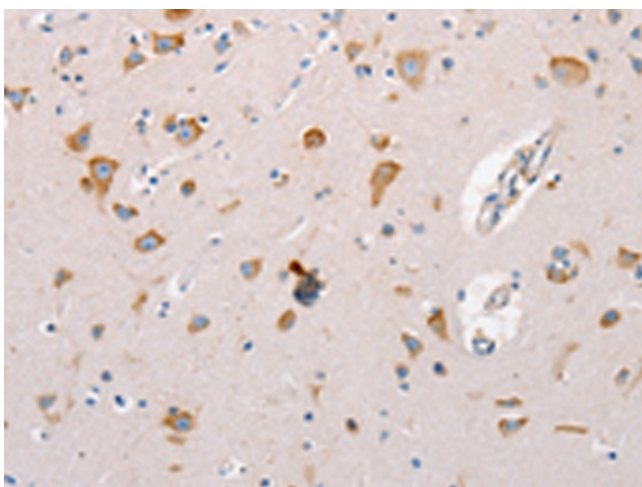
**Product images:**



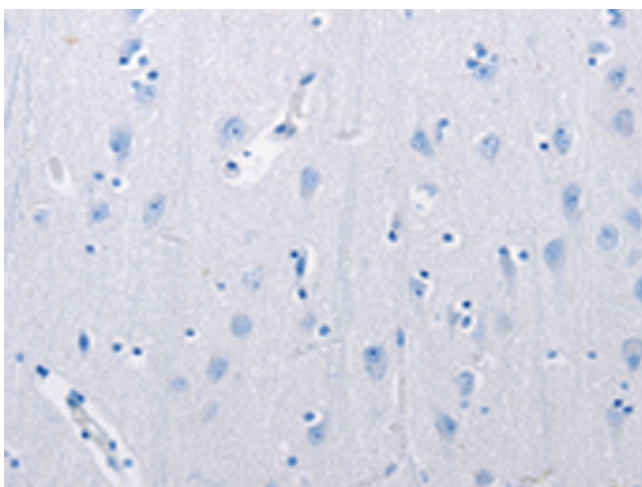
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA322695] (MTOR Antibody) at dilution 1/60 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA322695] (MTOR Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA322695] (MTOR Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA322695] (MTOR Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification: ×200)