

## Product datasheet for **TA354490**

### MTA2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the C-terminus of human p38 protein
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	75 kDa
Gene Name:	metastasis associated 1 family member 2
Database Link:	<a href="#">NP_004730</a> <a href="#">Entrez Gene 23942 Mouse</a> <a href="#">Entrez Gene 361724 Rat</a> <a href="#">Entrez Gene 9219 Human</a> <a href="#">O94776</a>



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**Background:**

The mitogen-activated protein kinases (MAPK), also known as extracellular signal-related kinase (ERKs), are praline-directed protein kinases that mediate the effects of numerous extracellular stimuli on a wide array of biological processes, such as cellular proliferation, differentiation and death. There are three groups of mammalian MAP kinases including the ERK, JNK, and p38 MAP kinases. The MAPKs family is also characterized by their requirement for dual phosphorylation at a conserved threonine and tyrosine residue for enzymatic activation and both must be phosphorylated for full enzymatic activation. The closely related ERK2 (44kDa) and ERK2 (42kDa) kinases are characterized by their requirement for dual phosphorylation at a conserved T-E-Y motif. While JNK1 is activated by dual phosphorylation at a T-P-Y motif and p38 is also activated by dual phosphorylation at a T-G-Y motif.

**Synonyms:**

MTA1L1; PID

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**

WB: The whole cell lysate derived from HeLa cell line was probed by rabbit anti-PID/MTA2 antibody at 1:500 dilutions.