

## MTA2

### Synthetic Human Metastasis-Associated Protein 2 Blocking Peptide (aa 652-668)

**Catalog No.** PX217BP **Quantity:** 50 µg

**Alternate Names:** DKFZp686F2281, MTA1L1, PID, metastasis -associated gene 1-like 1, metastasis associated gene family, member 2, metastasis-associated 1-like 1, metastasis-associated protein 2

**Description:** MTA2 is a protein that has been identified as a component of NuRD, a nucleosome remodeling deacetylase complex identified in the nucleus of human cells. It shows a very broad expression pattern and is strongly expressed in many tissues. It may represent one member of a small gene family that encode different but related proteins involved either directly or indirectly in transcriptional regulation. Their indirect effects on transcriptional regulation may include chromatin remodeling. It is closely related to another member of this family, a protein that has been correlated with the metastatic potential of certain carcinomas. These two proteins are so closely related that they share the same types of domains. These domains include two DNA binding domains, a dimerization domain, and a domain commonly found in proteins that methylate DNA. One of the proteins known to be a target protein for this gene product is p53. Deacetylation of p53 is correlated with a loss of growth inhibition in transformed cells supporting a connection between these gene family members and metastasis.

**Gene ID:** 9219

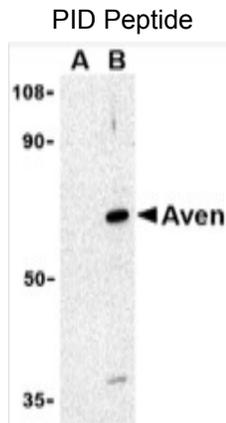
**Application:** The peptide is used for blocking the activity of PID/MTA2. The peptide with equal volume of antibody for 30 min at 37°C usually completely blocks the antibody activity in Western blotting.

**Formulation:** It is supplied as 200 µg/ml, 50 µg/vial, in PBS pH7.2 (10 mM NaH<sub>2</sub>PO<sub>4</sub>, 10 mM, Na<sub>2</sub>HPO<sub>4</sub>, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

**Sequence:** PAPSHPASTNEPIVLED

**Storage & Stability:** Store at -20°C, stable for one year.





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