



MTAP Polyclonal Antibody

E91049

- Catalog Number:** E91049
- Amount:** 100ul
- Background:** MTAP is an enzyme that is essential for the salvage pathway for both adenine and methionine synthesis. MTAP catalyzes the cleavage of 5'-methylthioadenosine into adenine and 5-methylthio-D-ribose-1-phosphate. Adenine is then used to generate AMP whereas 5-methylthio-D-ribose-1-phosphate is converted into methionine (1,2). MTAP is expressed in all normal cells and tissues, although frequently lost in different human tumors including pancreatic adenocarcinoma, neuroendocrine tumors, non-small cell lung carcinoma and breast carcinoma. MTAP is usually codeleted with p16 (cdkN2a/ARF) (3-5). MTAP overexpression in breast cancer cells inhibits their ability to form colonies in soft agar, thereby implicating its function as a tumor suppressor (6).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** MTAP;MSAP;c86fus ;
- Immunogen:** Recombinant proteinof human MTAP
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 31kDa
- Swiss-Prot No. :** Q13126
- Gene ID:** 4507
- References:** 1. Backlund, P.S. and Smith, R.A. (1981) J Biol Chem 256, 1533-5. 2. Backlund, P.S. et al. (1982) J Biol Chem 257, 4196-202. 3. Dreyling, M.H. et al. (1998) Genes Chromosomes Cancer 22, 72-8. 4. Zhang, H. et al. (1996) Cancer Genet Cytogenet 86, 22-8. 5. Illei, P.B. et al. (2003) Clin Cancer Res 9, 2108-13. 6. Christopher, S.A. et al. (2002) Cancer Res 62, 6639-44.

For Research Use Only

WB 1:500 - 1:2000

IHC 1:50- 1:200

Western blot analysis of HT-29 cell and liver cell lysate using MTAP antibody.