



ID2 Polyclonal Antibody

E90996

Catalog Number: E90996**Amount:** 100ul

Background: Inhibitor of DNA-binding-2 (Id2) is a member of the Id proteins which belong to the helix-loop-helix (HLH) protein family. The Id protein functions by binding to specific transcription factors and preventing their dimerization and DNA binding (1-3). Id2 interacts with a wide variety of transcription factors including E proteins (5), TCS (4), Pax (6) and the tumor suppressor Rb (1). Id2 has been shown to be important in regulating cellular differentiation, proliferation, development and tumorigenesis (7-9). In tumor cells, increased levels of Id2 functionally inactivate Rb, leading to cellular transformation and cancer (10,11). Id2 is therefore a promising therapeutic target for treatment of cancer (12).

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.

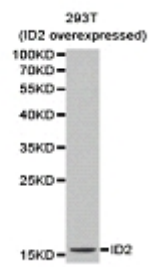
Synonyms: ID2;GIG8;ID2A;ID2H;MGC26389;bHLHb26 ;**Immunogen:** Recombinant protein of human ID2**Purification:** Affinity purification**Reactivity:** H M R**Applications:** WB IHC**Molecular Weight:** 18kDa**Swiss-Prot No. :** Q02363**Gene ID:** 3398

References: 1. Iavarone, A. et al. (1994) Genes Dev 8, 1270-84. 2. Sun, X.H. et al. (1991) Mol Cell Biol 11, 5603-11. 3. Roberts, E.C. et al. (2001) Mol Cell Biol 21, 524-33. 4. Yates, P.R. et al. (1999) EMBO J 18, 968-76. 5. Engel, I. and Murre, C. (2001) Nat Rev Immunol 1, 193-9. 6. Roberts, E.C. et al. (2001) Mol Cell Biol 21, 524-33. 7. Benezra, R. et al. (2001) Oncogene 20, 8334-41. 8. Lasorella, A. et al. (2001) Oncogene 20, 8326-33. 9. Zebedee, Z. and Hara, E. (2001) Oncogene 20, 8317-25. 10. Gabellini, C. et al. (2006) Oncogene 25, 5326-32. 11. Perk, J. et al. (2005) Nat Rev Cancer 5, 603-14. 12. Gray, M.J. et al. (2008) Oncogene 27, 7192-200.

For Research Use Only

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of 293T cell lysate using ID2 antibody.