



# ID1 Monoclonal Antibody

|                    |  |
|--------------------|--|
| Catalog No         | BYmab-04970  |
| Isotype            | IgG  |
| Reactivity         | Human;Mouse;Rat  |
| Applications       | WB   |
| Gene Name          | ID1 BHLHB24 ID   |
| Protein Name       | DNA-binding protein inhibitor ID-1 (Class B basic helix-loop-helix protein 24) (bHLHb24) (Inhibitor of DNA binding 1)  |
| Immunogen          | Synthesized peptide derived from human protein . at AA range: 30-110   |
| Specificity        | ID1 Monoclonal Antibody detects endogenous levels of protein.  |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| Source             | Monoclonal, Mouse,IgG  |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution           | WB 1:500-2000  |
| Concentration      | 1 mg/ml  |
| Purity             | ≥90%   |
| Storage Stability  | -20°C/1 year   |
| Synonyms           |  |
| Observed Band      | 17kD   |
| Cell Pathway       | Cytoplasm . Nucleus.   |
| Tissue Specificity | Lung,Ovary,Placenta,Skin,  |
| Function           | alternative products:Additional isoforms seem to exist,developmental stage:Expression correlates with proliferation in some types of cells.,function:ID (inhibitor of DNA binding) HLH proteins lack a basic DNA-binding domain but are able to form heterodimers with other HLH proteins, thereby inhibiting DNA binding.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Heterodimer with other HLH proteins. Interacts with COPS5., |
| Background         | The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and  |

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differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

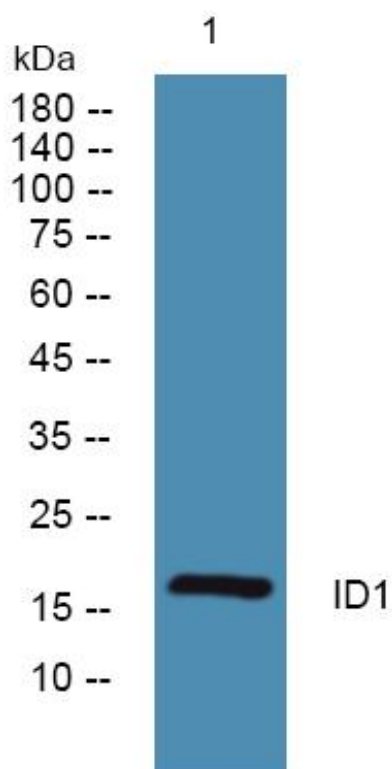
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using ID1 Monoclonal Antibody