

Product datasheet for **TA500713**

ID3 Mouse Monoclonal Antibody [Clone ID: OTI8B3]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI8B3 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:500, IHC 1:50, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human ID3 (NP_002158) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 12.8 kDa |
| Gene Name: | inhibitor of DNA binding 3, HLH protein |
| Database Link: | NP_002158 Entrez Gene 3399 Human Q02535 |
| Background: | Members of the ID family of helix-loop-helix (HLH) proteins lack a basic DNA-binding domain and inhibit transcription through formation of nonfunctional dimers that are incapable of binding to DNA. [supplied by OMIM] |
| Synonyms: | bHLHb25; HEIR-1 |
| Protein Families: | Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors |



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Protein Pathways: TGF-beta signaling pathway

Product images:

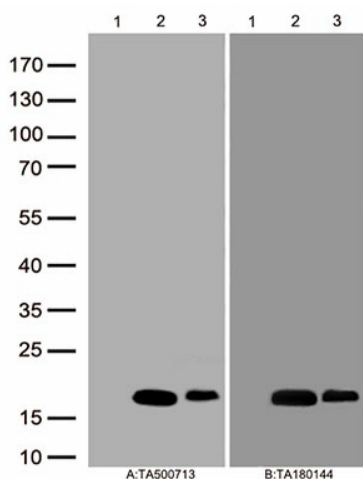
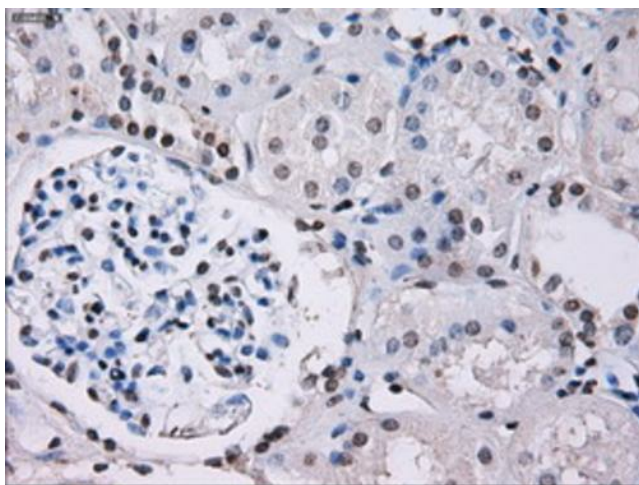


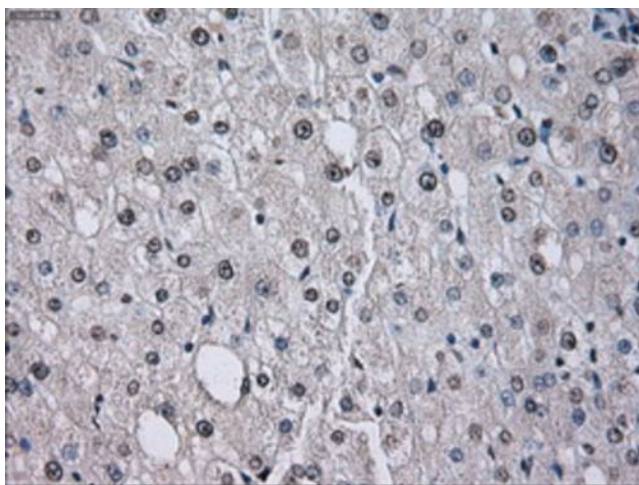
Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human ID3 plasmid ([RC200583], lane 2), mouse ID3 plasmid ([MR227292], lane 3) using anti-ID3 antibody TA500713 (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



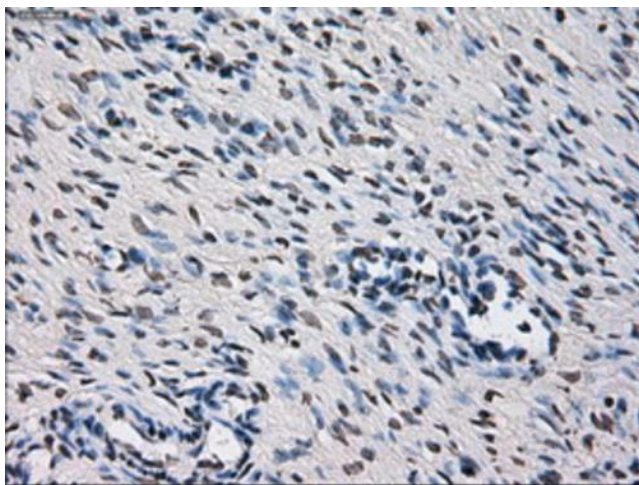
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-ID3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



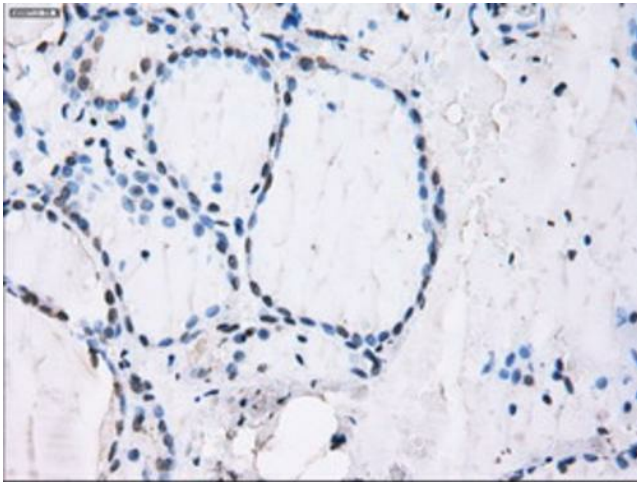
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ID3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



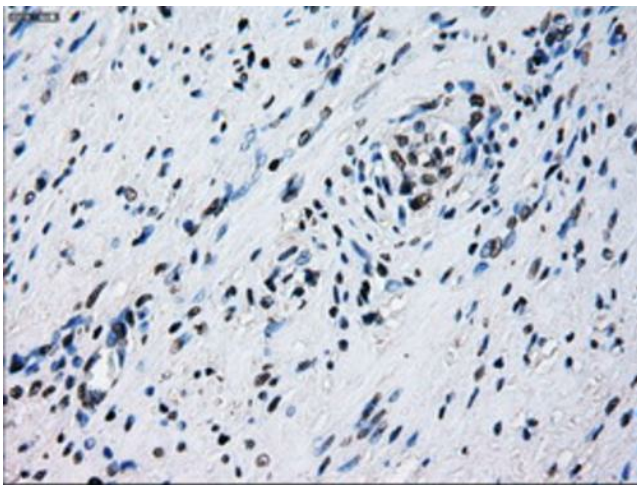
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ID3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



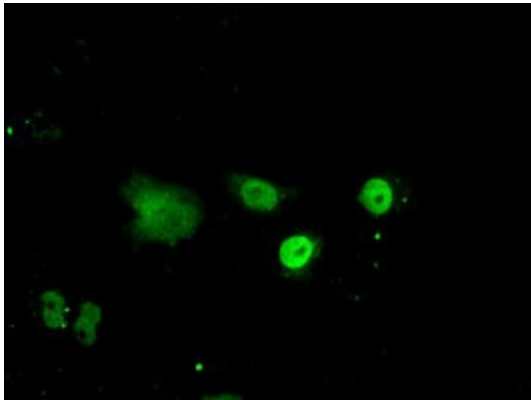
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-ID3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



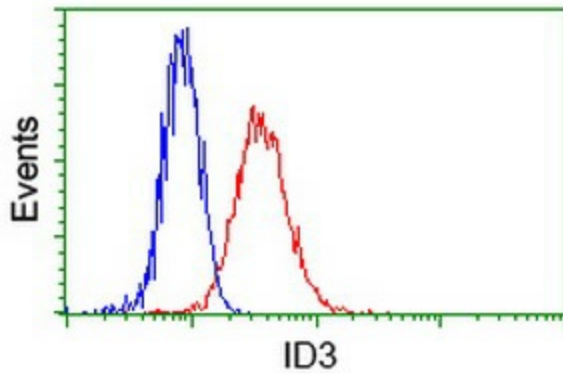
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-ID3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



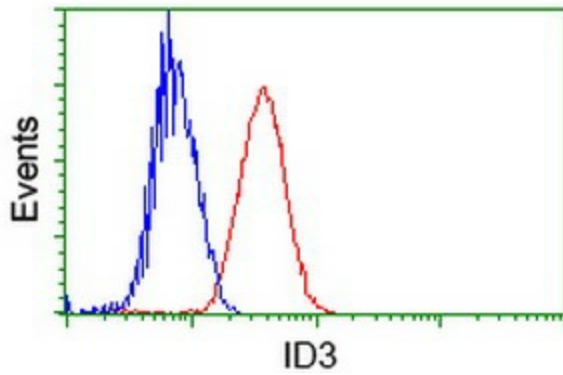
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-ID3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-ID3 mouse monoclonal antibody (TA500713) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ID3 (RC200583).



Flow cytometric Analysis of HeLa cells, using anti-ID3 antibody (TA500713), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-ID3 antibody (TA500713), (Red), compared to a nonspecific negative control antibody, (Blue).