

## Product datasheet for **TA500790BM**

### **ID3 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI12C7]**

#### **Product data:**

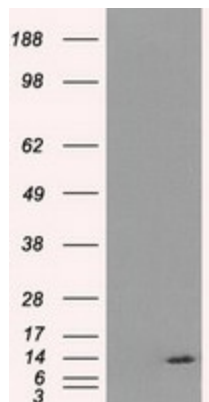
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI12C7
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:1000, IHC 1:50, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human ID3 (NP_002158) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	HRP
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	12.8 kDa
<b>Gene Name:</b>	inhibitor of DNA binding 3, HLH protein
<b>Database Link:</b>	<a href="#">NP_002158</a> <a href="#">Entrez Gene 3399 Human</a> <a href="#">Q02535</a>
<b>Background:</b>	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]
<b>Synonyms:</b>	bHLHb25; HEIR-1
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors



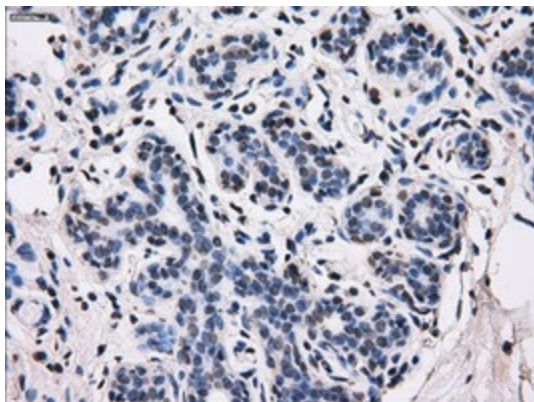
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Protein Pathways: TGF-beta signaling pathway

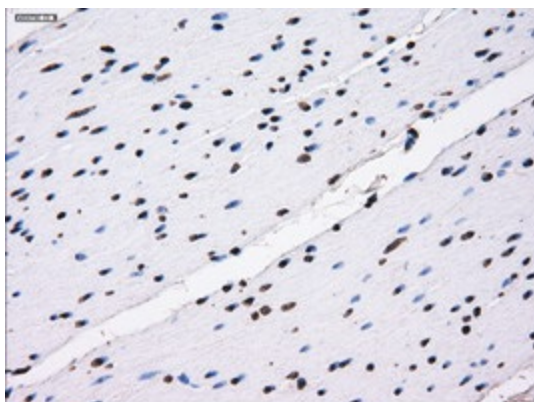
### Product images:



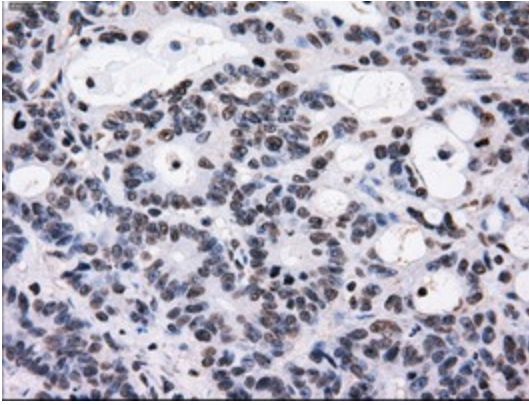
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ID3 ([RC200583], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ID3. Positive lysates [LY419492] (100ug) and [LC419492] (20ug) can be purchased separately from OriGene.



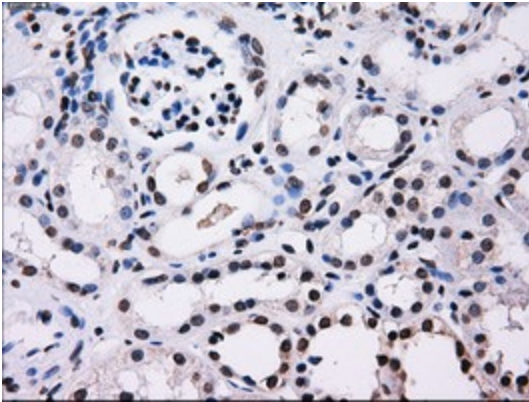
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])



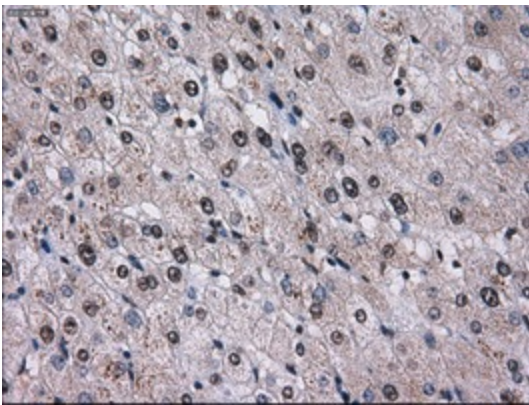
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])

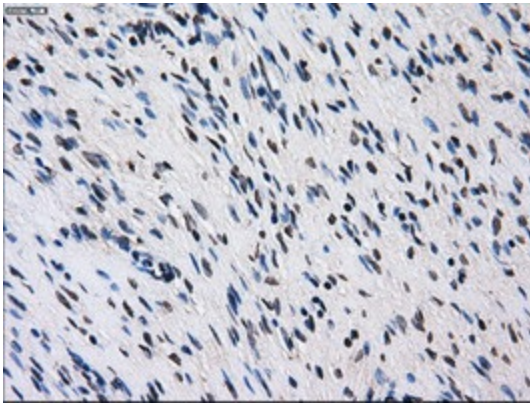


Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])

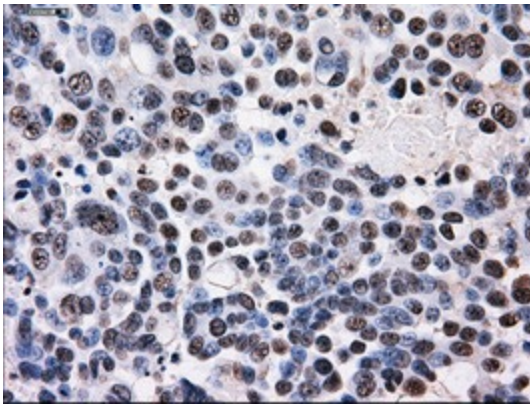


Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])

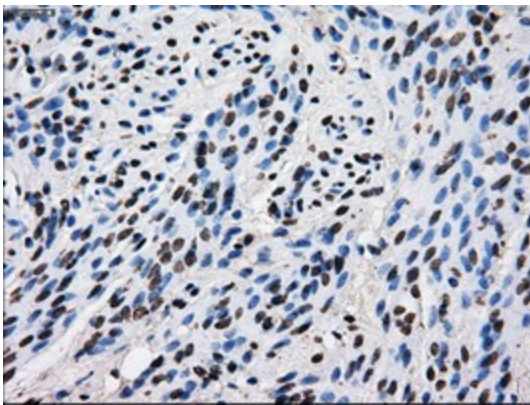




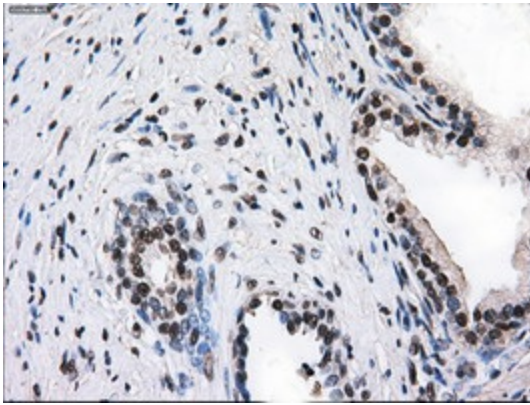
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])



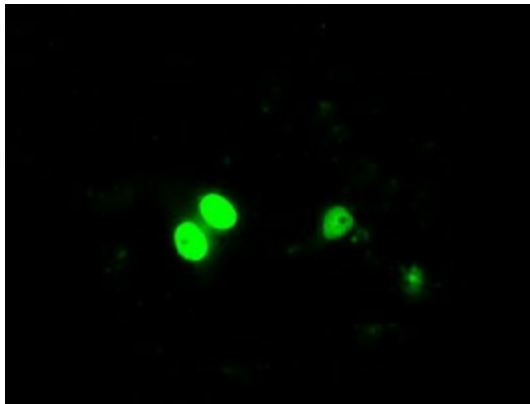
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])



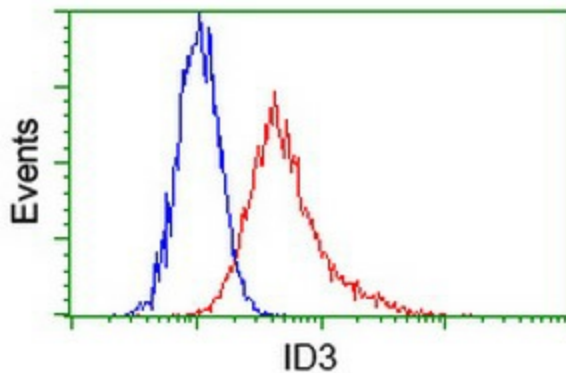
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])



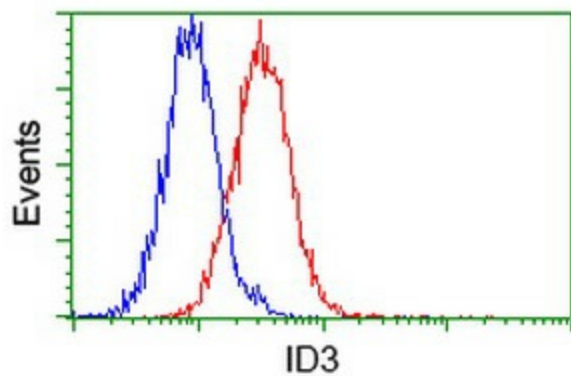
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500790])



Anti-ID3 mouse monoclonal antibody ([TA500790]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ID3 ([RC200583]).



Flow cytometric Analysis of Hela cells, using anti-ID3 antibody ([TA500790]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-ID3 antibody ([TA500790]), (Red), compared to a nonspecific negative control antibody, (Blue).