

## Product datasheet for **TA500714S**

### ID3 Mouse Monoclonal Antibody [Clone ID: OTI5C7]

#### Product data:

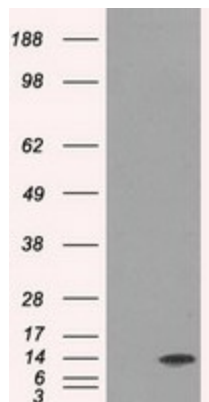
Product Type:	Primary Antibodies
Clone Name:	OTI5C7
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ID3 (NP_002158) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.83 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:	<a href="#">NP_002158</a> <a href="#">Entrez Gene 3399 Human</a> <a href="#">Q02535</a>
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



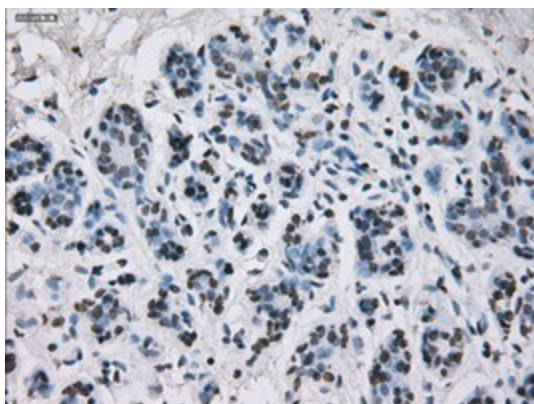
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Protein Pathways: TGF-beta signaling pathway

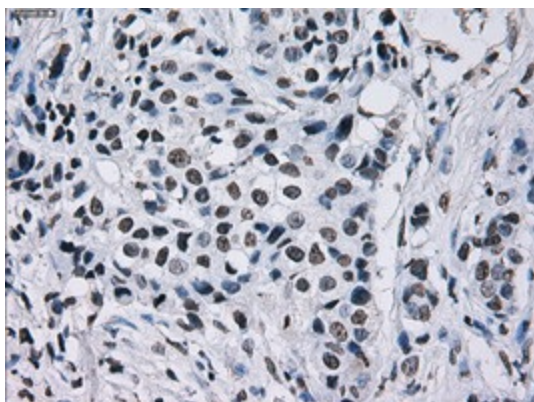
### Product images:



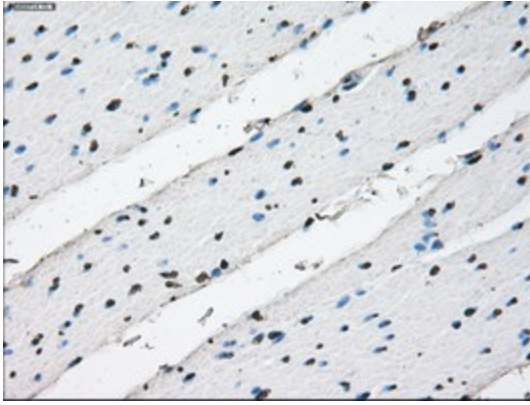
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ID3 ([RC200583], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ID3. Positive lysates [LY419492] (100ug) and [LC419492]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



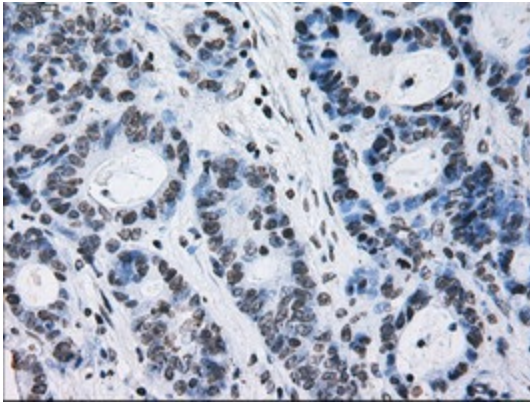
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



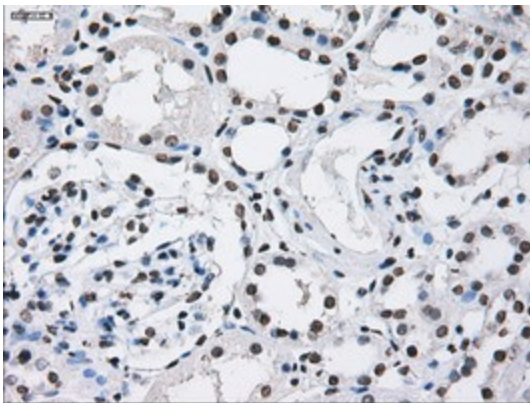
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



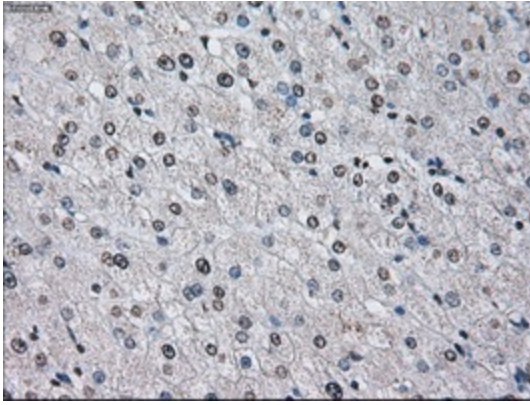
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



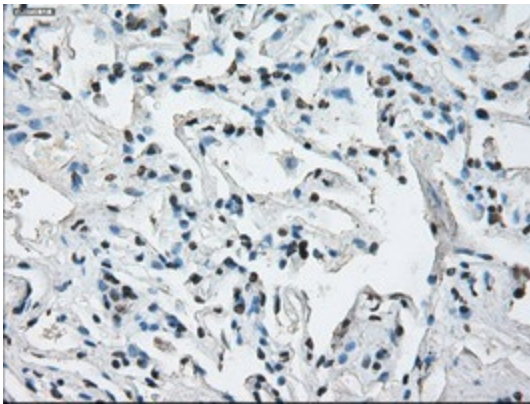
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



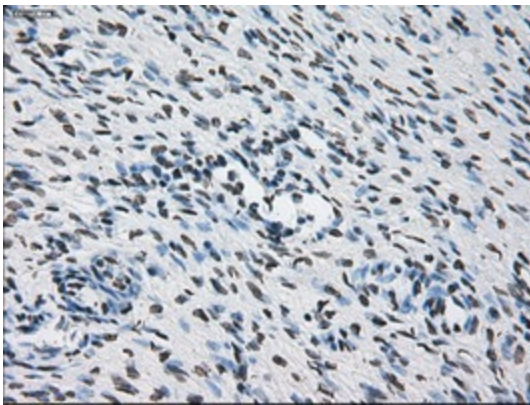
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



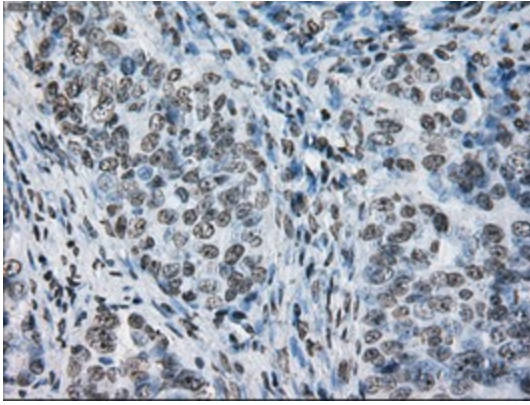
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



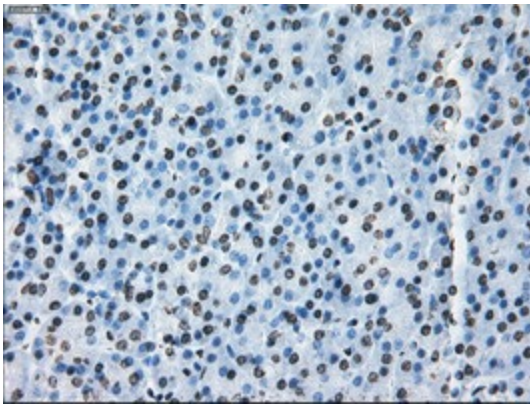
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



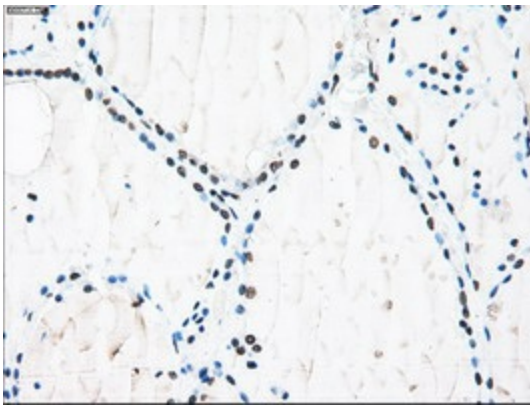
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



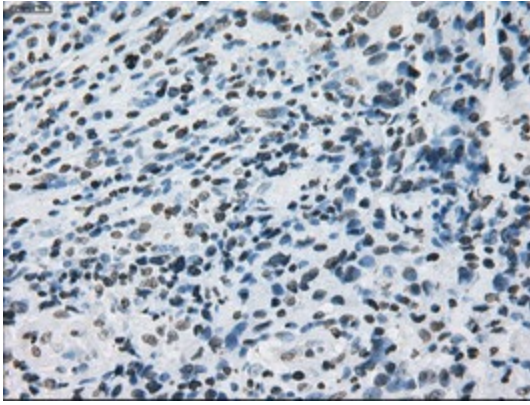
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



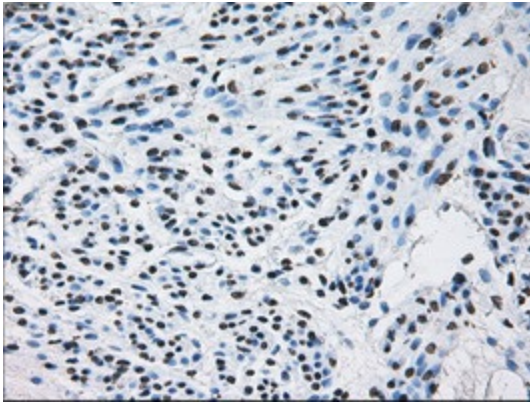
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



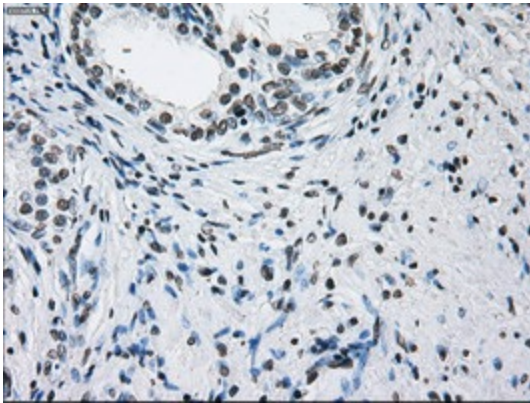
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



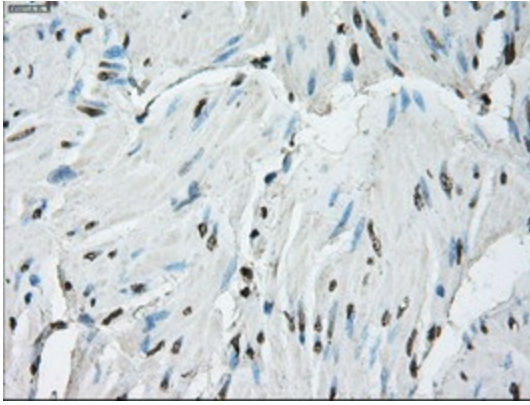
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



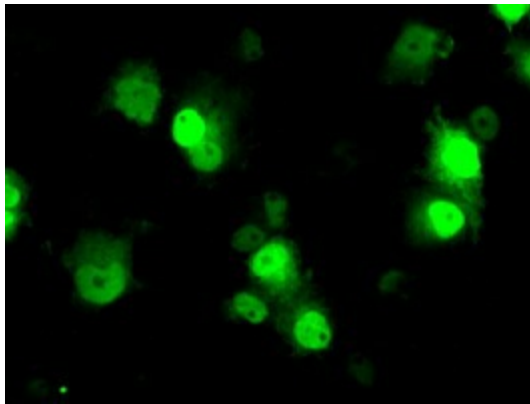
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



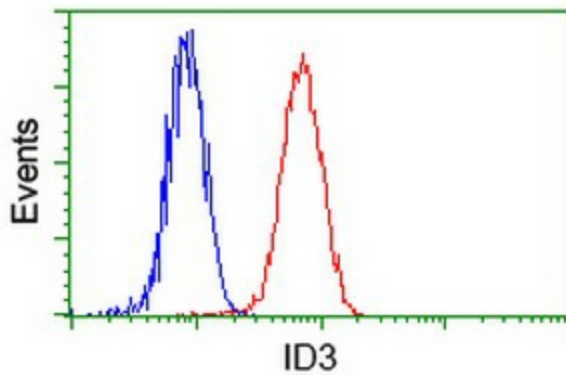
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



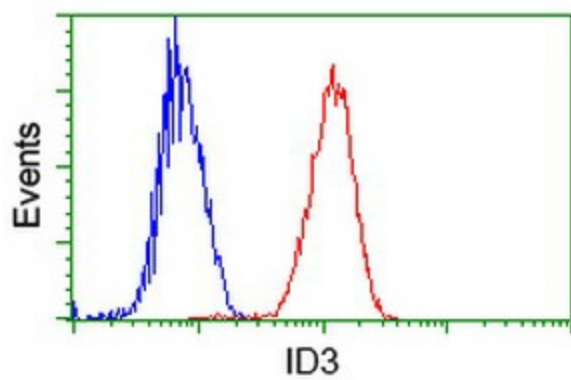
Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-ID3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500714])



Anti-ID3 mouse monoclonal antibody ([TA500714]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ID3 ([RC200583]).



Flow cytometric Analysis of HeLa cells, using anti-ID3 antibody ([TA500714]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-ID3 antibody ([TA500714]), (Red), compared to a nonspecific negative control antibody, (Blue).