

Product datasheet for **CF501906**

ZIM2 Mouse Monoclonal Antibody [Clone ID: OTI5E12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5E12
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IF 1:100, Flow: 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-150 and 428-527 of human ZIM2 (NP_056178) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	61.0 kDa
Gene Name:	zinc finger imprinted 2
Database Link:	NP_056178 Entrez Gene 23619 Human Q9NZV7



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Background:

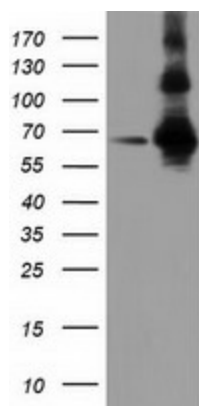
In human, ZIM2 and PEG3 (GeneID:5178) are two distinct genes that share a set of 5' exons and have a common promoter, and both genes are paternally expressed. Alternative splicing events connect the shared exons either with the remaining 4 exons unique to ZIM2, or with the remaining 2 exons unique to PEG3. This is in contrast to mouse and cow, where ZIM2 and PEG3 genes do not share exons in common, and the imprinting status of ZIM2 is also not conserved amongst mammals. Additional 5' alternatively spliced transcripts encoding the same protein have been found for the human ZIM2 gene. [provided by RefSeq]

Synonyms:

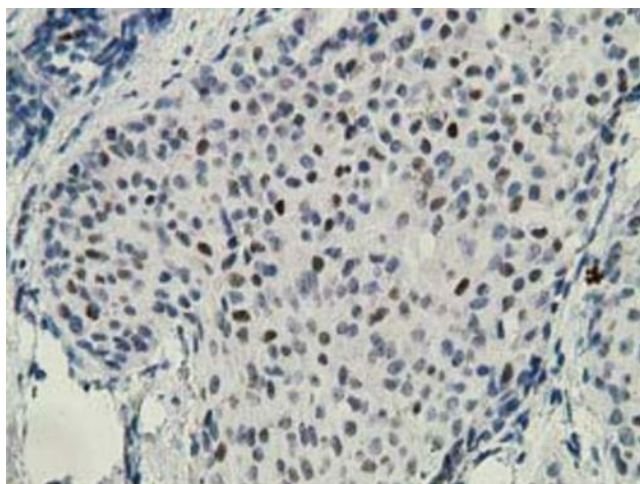
ZNF656

Protein Families:

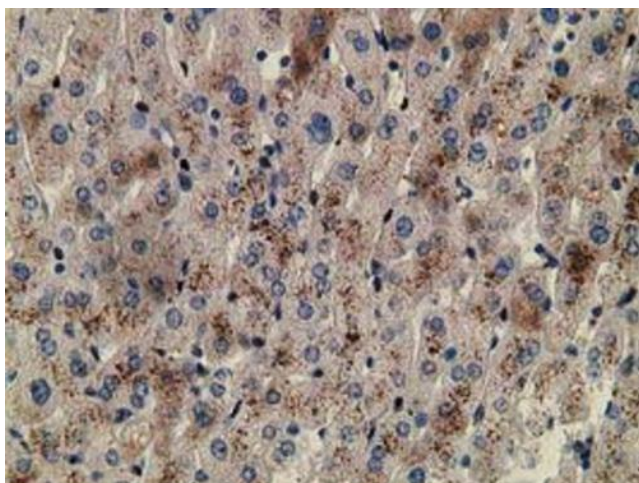
Transcription Factors

Product images:


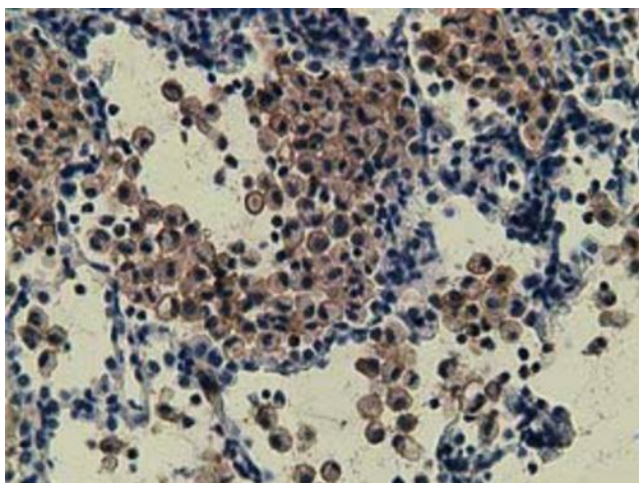
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ZIM2 (Cat# [RC211188], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ZIM2 (Cat# [TA501906]). Positive lysates [LY402427] (100ug) and [LC402427] (20ug) can be purchased separately from OriGene.



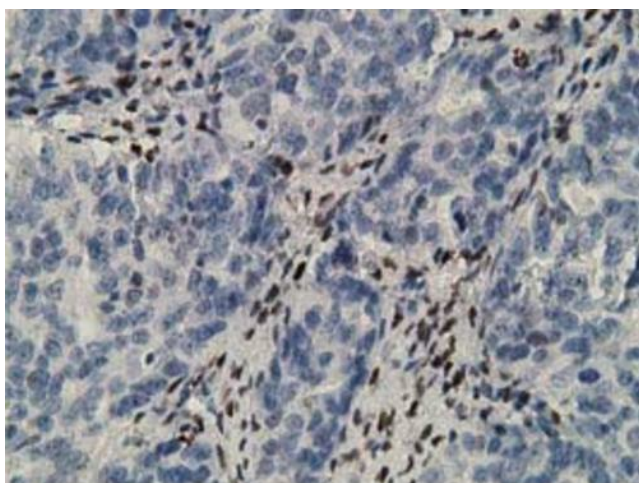
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-ZIM2 mouse monoclonal antibody. ([TA501906])



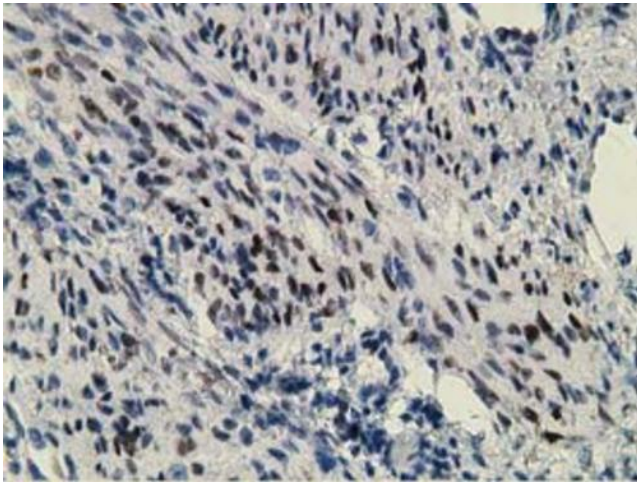
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ZIM2 mouse monoclonal antibody. ([TA501906])



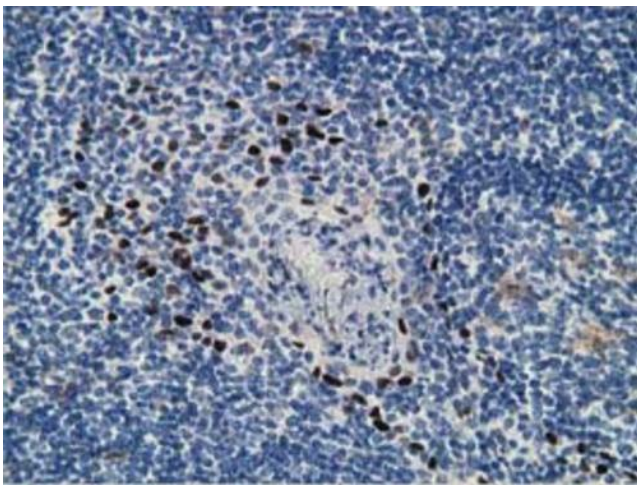
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-ZIM2 mouse monoclonal antibody. ([TA501906])



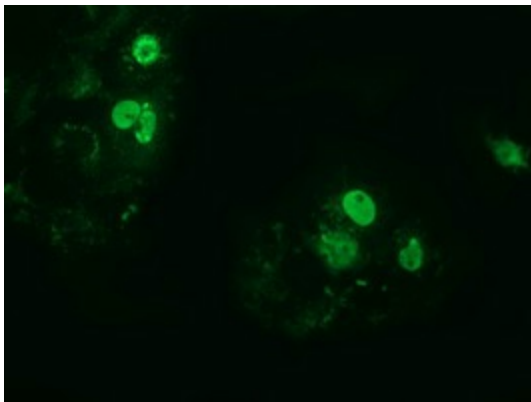
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-ZIM2 mouse monoclonal antibody. ([TA501906])



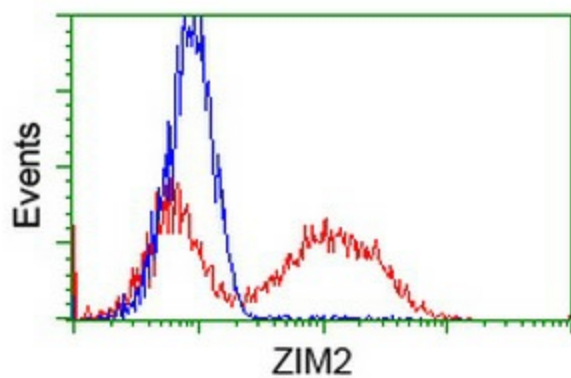
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-ZIM2 mouse monoclonal antibody. ([TA501906])



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-ZIM2 mouse monoclonal antibody. ([TA501906])



Anti-ZIM2 mouse monoclonal antibody ([TA501906]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ZIM2 ([RC211188]).



HEK293T cells transfected with either [RC211188] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ZIM2 antibody ([TA501906]), and then analyzed by flow cytometry.