

## Product datasheet for CF812629

### GTF3C4 Mouse Monoclonal Antibody [Clone ID: OTI4A3]

#### Product data:

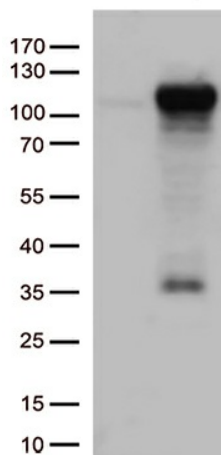
Product Type:	Primary Antibodies
Clone Name:	OTI4A3
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:750
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 583-822 of human GTF3C4 (NP_036336) 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)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Homo sapiens general transcription factor IIIC subunit 4 (GTF3C4), transcript variant 1, mRNA.
Database Link:	<a href="#">NP_036336</a> <a href="#">Entrez Gene 714849</a> <a href="#">Monkey</a> <a href="#">Entrez Gene 9329</a> <a href="#">Human</a>
Background:	Essential for RNA polymerase III to make a number of small nuclear and cytoplasmic RNAs, including 5S RNA, tRNA, and adenovirus-associated (VA) RNA of both cellular and viral origin. Has histone acetyltransferase activity (HAT) with unique specificity for free and nucleosomal H3. May cooperate with GTF3C5 in facilitating the recruitment of TFIIB and RNA polymerase through direct interactions with BRF1, POLR3C and POLR3F. May be localized close to the A box. [UniProtKB/Swiss-Prot Function]
Synonyms:	KAT12; TF3C-delta; TFI190; TFIIC90; TFIIC290; TFIICDELTA



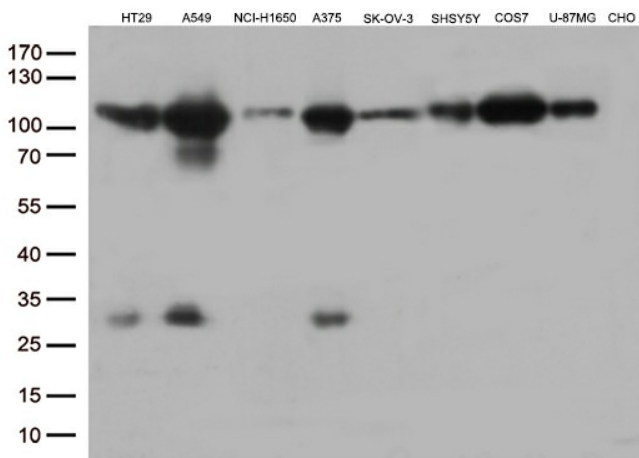
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Protein Families: Transcription Factors

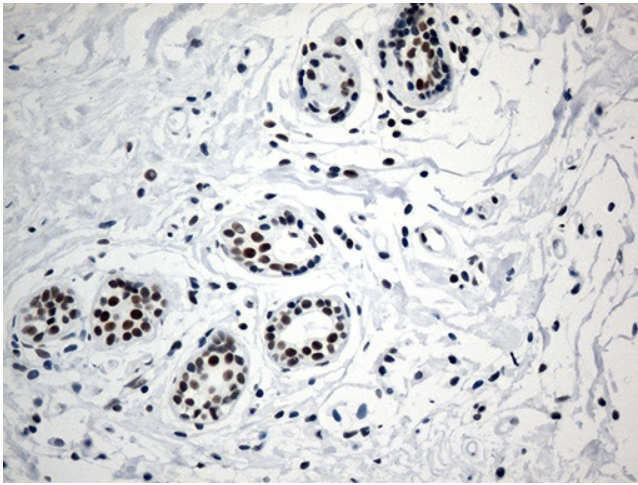
Product images:



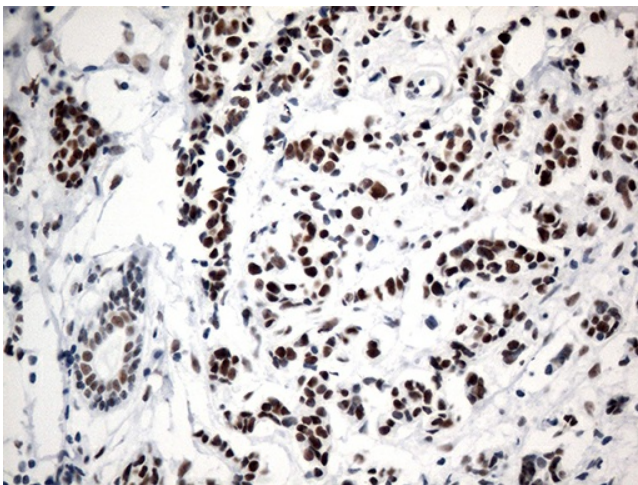
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GTF3C4 ([RC210525], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GTF3C4 (1:500).



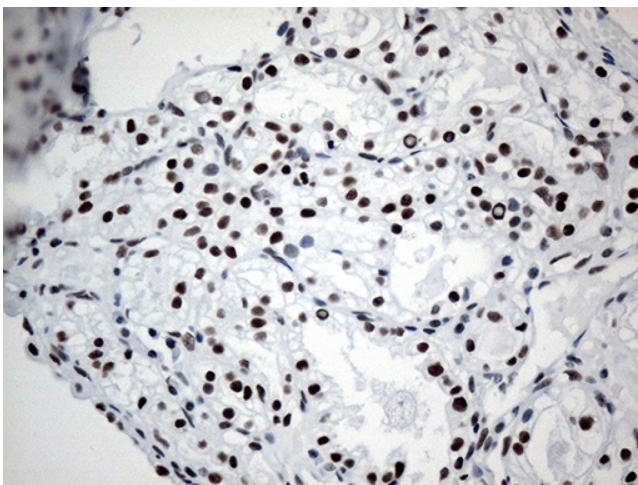
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-GTF3C4 monoclonal antibody (1:500).



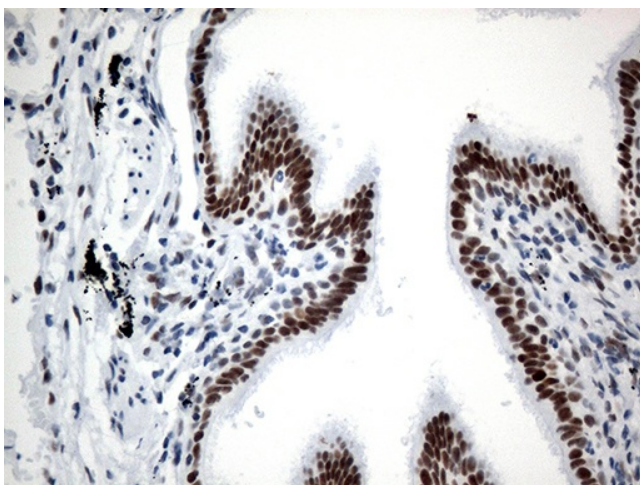
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)



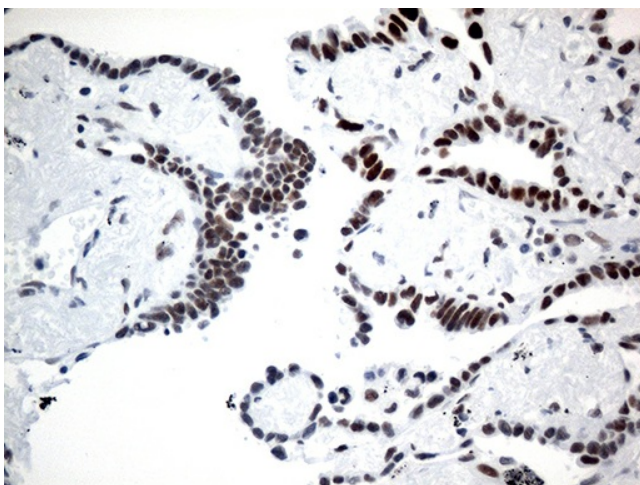
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue tissue using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)



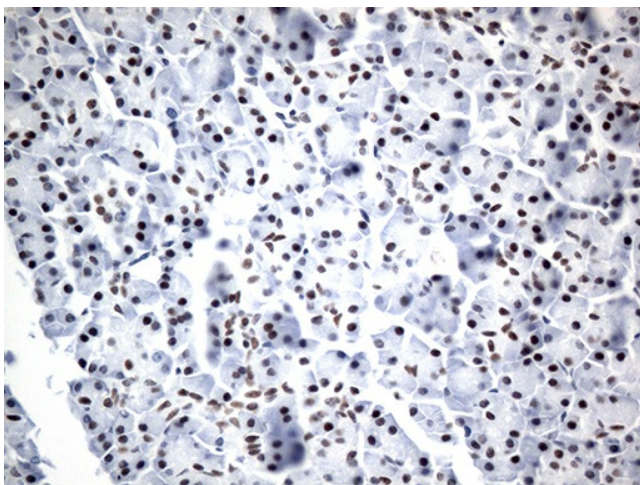
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)



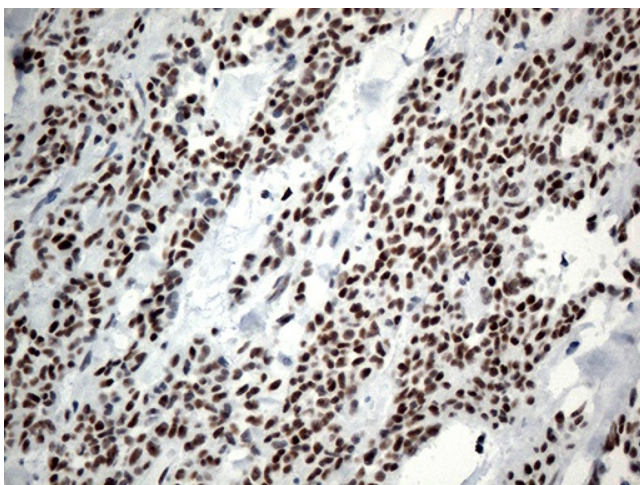
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)



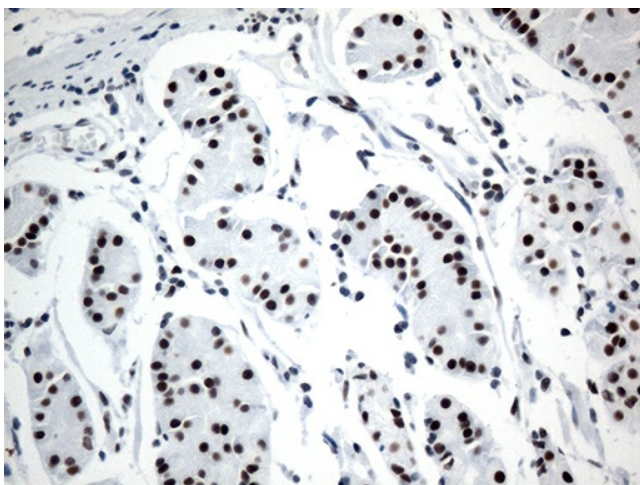
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)



Immunohistochemical staining of paraffin-embedded Human gastric tissue within the normal limits using anti-GTF3C4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA812629]) (1:750)