

## Product datasheet for **TA505555AM**

### HTF9C (TRMT2A) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1C3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1C3
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:200~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TRMT2A(NP_073564) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	68.5 kDa
Gene Name:	tRNA methyltransferase 2 homolog A
Database Link:	<a href="#">NP_073564</a> <a href="#">Entrez Gene 27037 Human</a> <a href="#">Q8IZ69</a>
Background:	The protein encoded by this gene is of unknown function. However, it is orthologous to the mouse Trmt2a gene and contains an RNA methyltransferase domain. Expression of this gene varies during the cell cycle, with aberrant expression being a possible biomarker in certain breast cancers. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

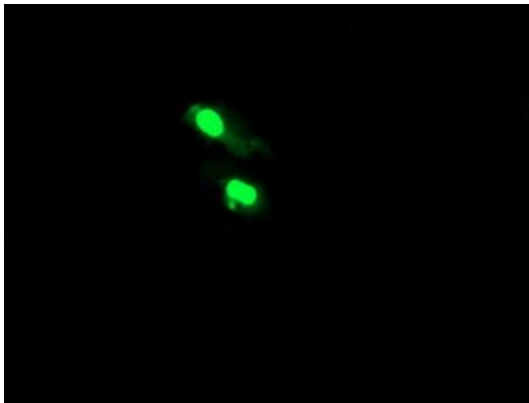


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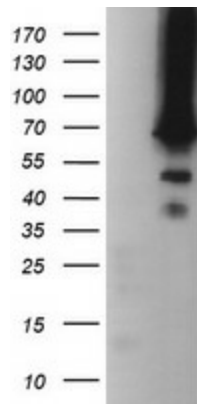
Synonyms: HTF9C

Protein Families: Druggable Genome

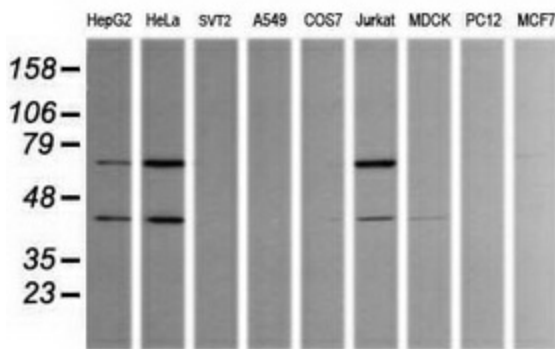
**Product images:**



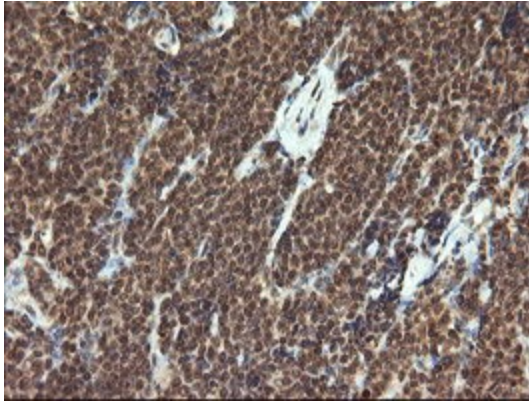
Anti-TRMT2A mouse monoclonal antibody ([TA505555]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TRMT2A ([RC221181]).



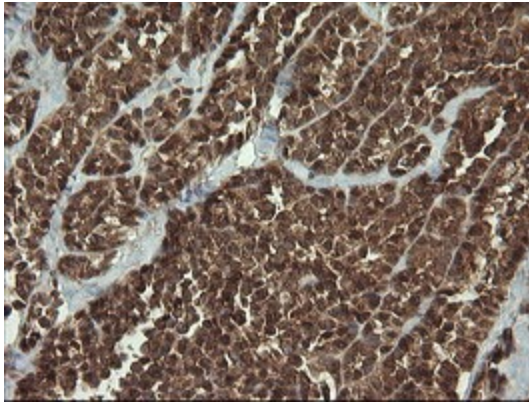
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRMT2A (Cat# [RC221181], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRMT2A(Cat# [TA505555]). Positive lysates [LY411594] (100ug) and [LC411594] (20ug) can be purchased separately from OriGene.



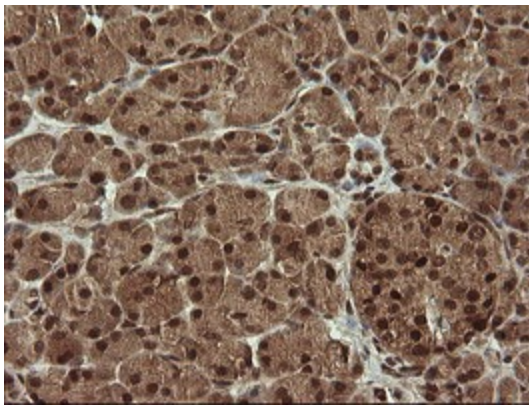
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TRMT2A monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



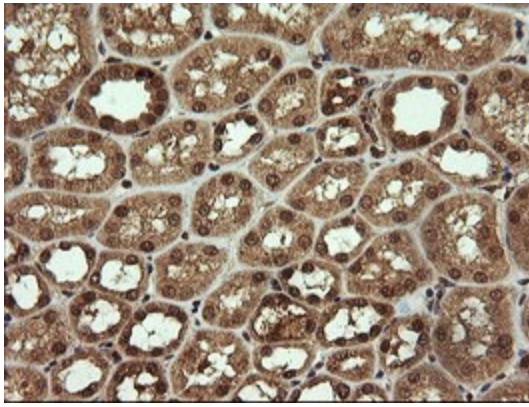
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-TRMT2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505555])



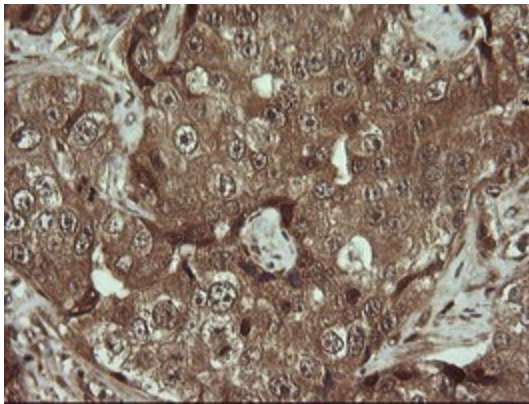
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-TRMT2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505555])



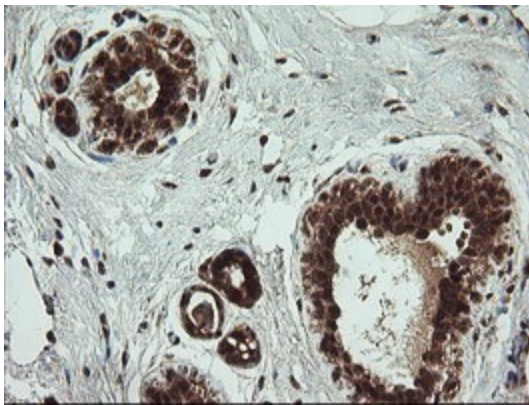
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-TRMT2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505555])



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-TRMT2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505555])

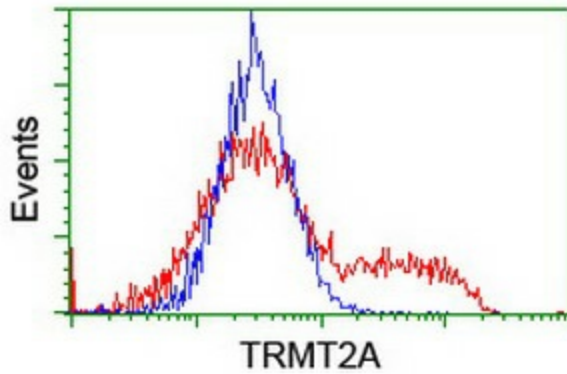


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-TRMT2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505555])

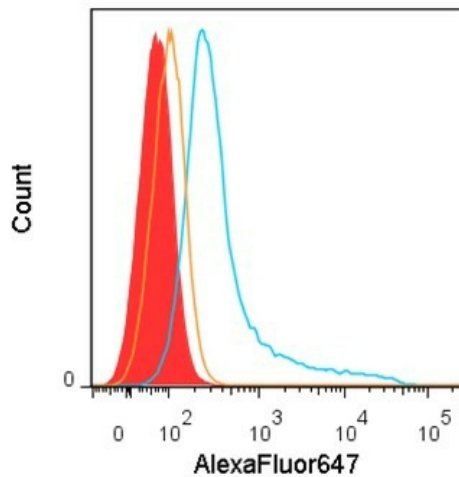


Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-TRMT2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505555])

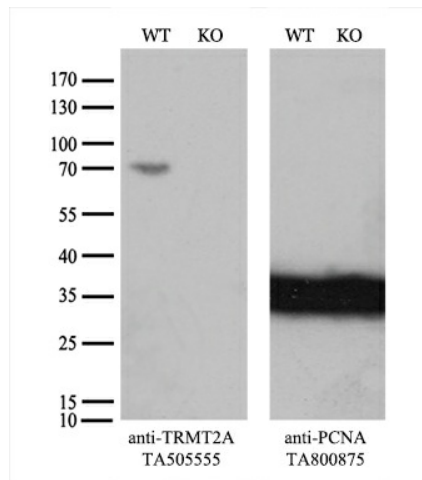




HEK293T cells transfected with either [RC221181] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-TRMT2A antibody ([TA505555]), and then analyzed by flow cytometry.



Flow cytometry analysis of U2-OS cells. Red: no-color control; Orange: U2-OS stained with [TA505555] (1:100) and a secondary with AlexaFluor647; Blue: U2-OS over-expressing the target and stained with the same antibodies. Courtesy: Dr. K. Wei from Stanford University.



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and TRMT2A-Knockout HeLa cells (KO, Cat# [LC833845]) were separated by SDS-PAGE and immunoblotted with anti-TRMT2A monoclonal antibody [TA505555] (1:500). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.