

## Product datasheet for **TA808526AM**

### Amelotin (AMTN) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2D9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D9
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human AMTN (NP_997722) produced in E.coli.
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:	21.4 kDa
Gene Name:	amelotin
Database Link:	<a href="#">NP_997722</a> <a href="#">Entrez Gene 401138 Human</a> <a href="#">Q6UX39</a>

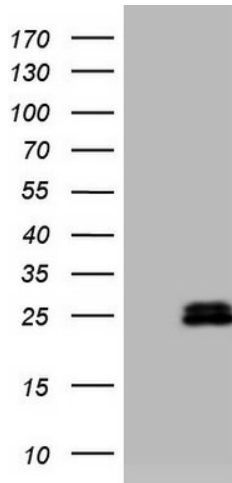
**Background:** The mineralized portions of teeth, the dentin and enamel, are formed by mesenchyme-derived odontoblasts and epithelium-derived ameloblasts, respectively. As ameloblasts differentiate, they deposit specific proteins necessary for enamel formation, including amelogenin (AMELX; MIM 300391), enamelin (ENAM; MIM 606585), and ameloblastin (AMBN; MIM 601259), in the organic enamel matrix. Amelotin is specifically expressed in maturation-stage ameloblasts [Iwasaki et al., 2005 [PubMed 16304441]]. [supplied by OMIM, Mar 2008]



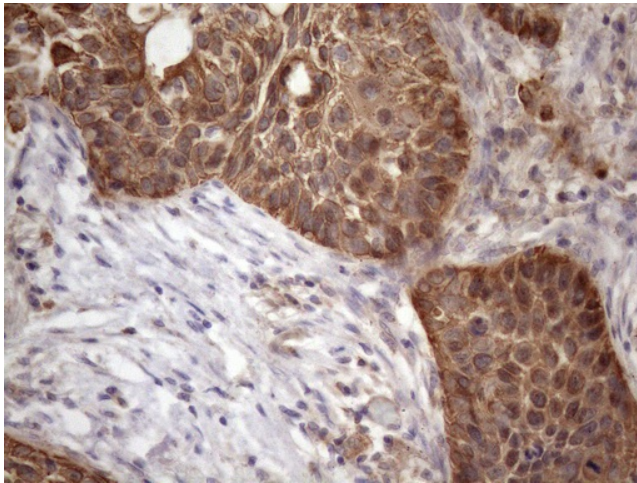
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Synonyms: UNQ689

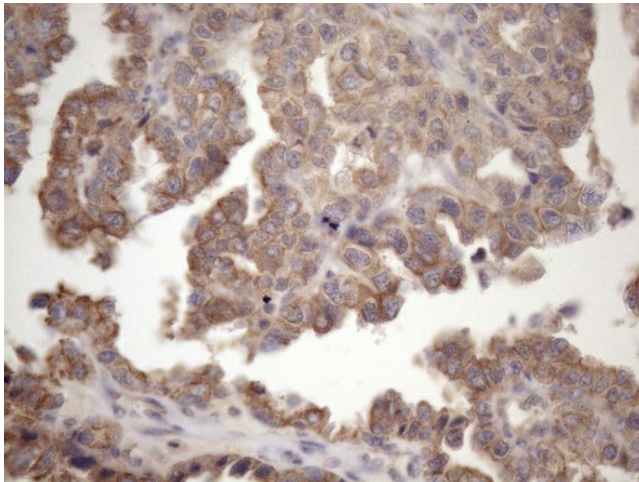
**Product images:**



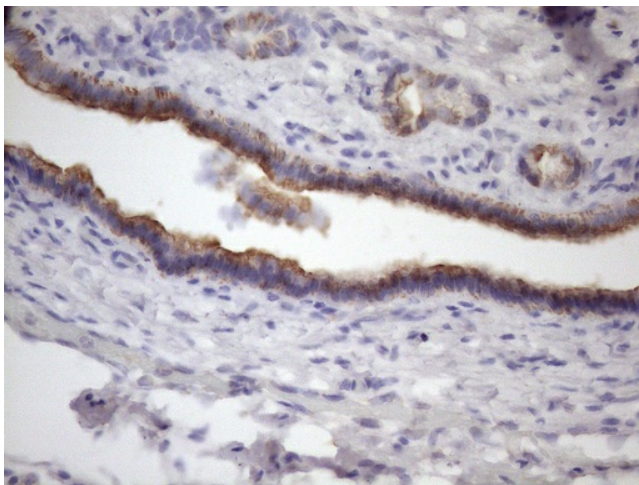
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY AMTN (Cat# [RC221473], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AMTN (Cat# [TA808526])(1:2000). Positive lysates [LY403899] (100ug) and [LC403899] (20ug) can be purchased separately from OriGene.



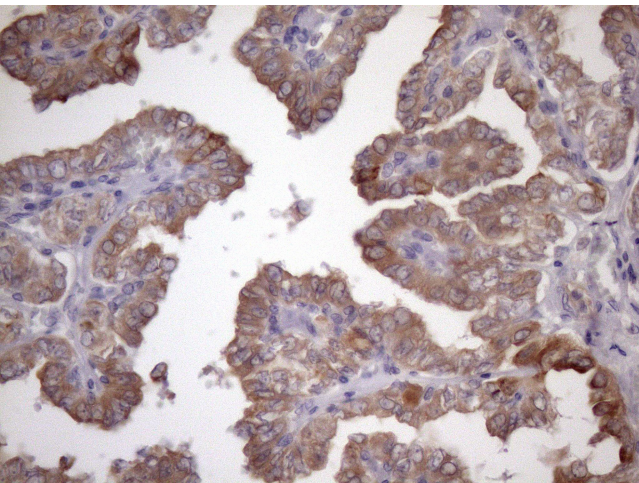
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)

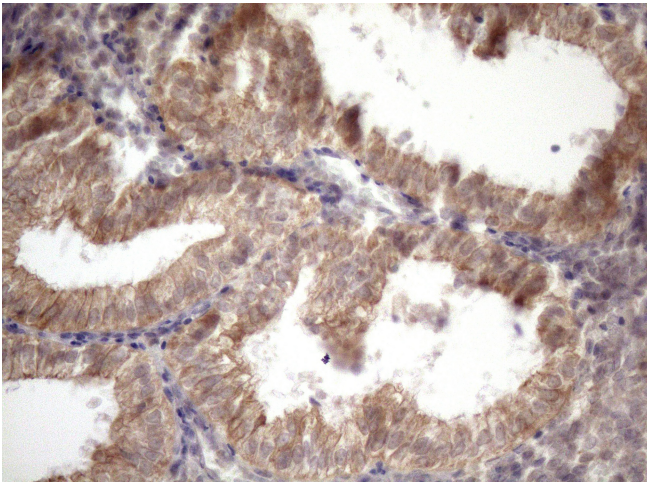


Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)

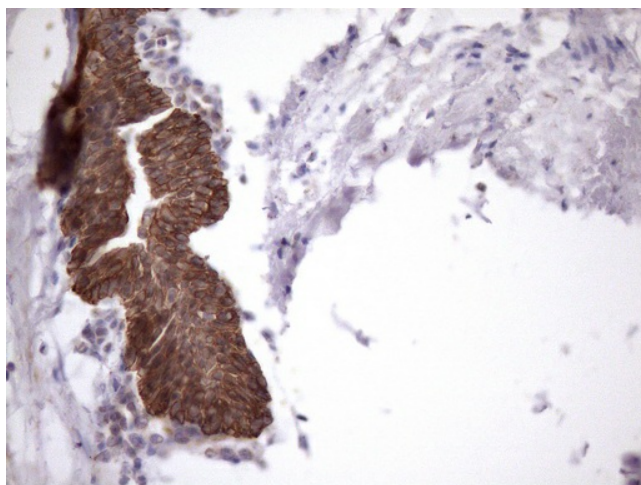


Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)

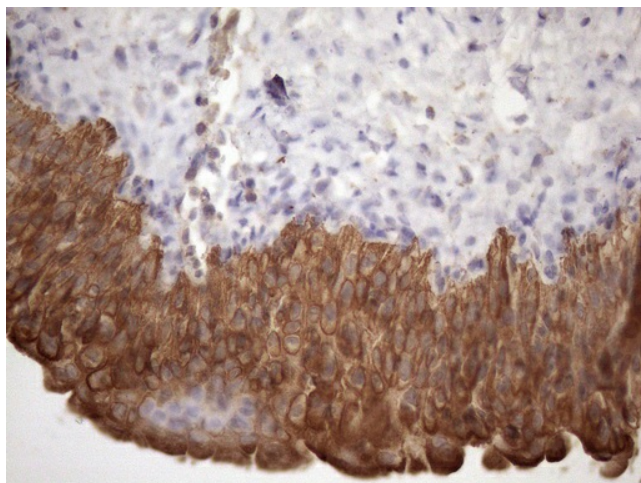




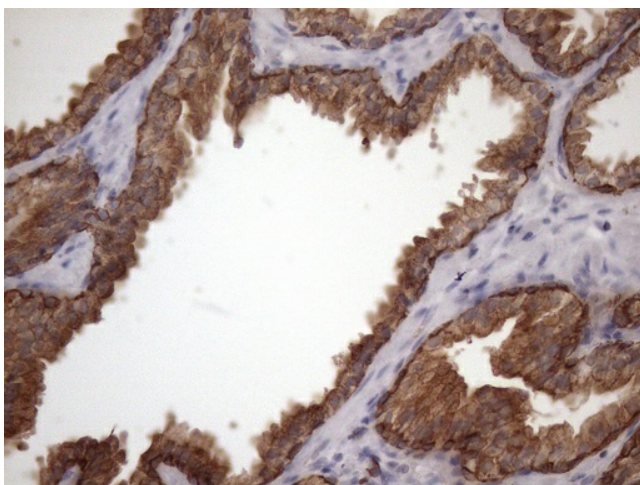
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-AMTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808526]) (1:150)