

## Product datasheet for **TA504814AM**

### **PADI4 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI5E7]**

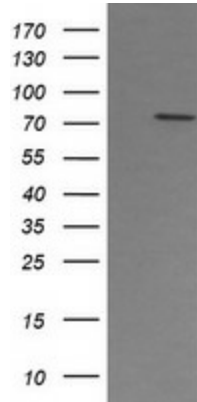
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI5E7
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB 1:1000, IHC 1:150
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 299-588 of human PADI4(NP_036519) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	73.9 kDa
<b>Gene Name:</b>	peptidyl arginine deiminase 4
<b>Database Link:</b>	<a href="#">NP_036519</a> <a href="#">Entrez Gene 23569 Human</a> <a href="#">Q9UM07</a>
<b>Background:</b>	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response. [provided by RefSeq, Jul 2008]
<b>Synonyms:</b>	PAD; PAD4; PADI5; PDI4; PDI5

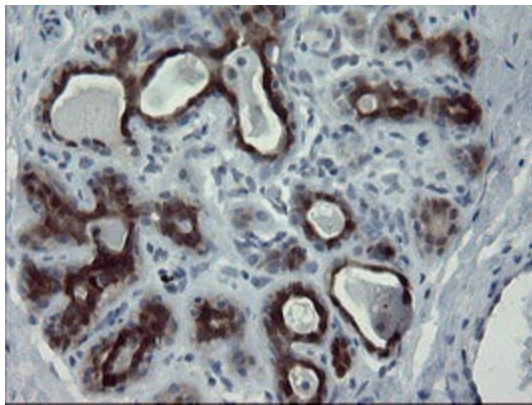


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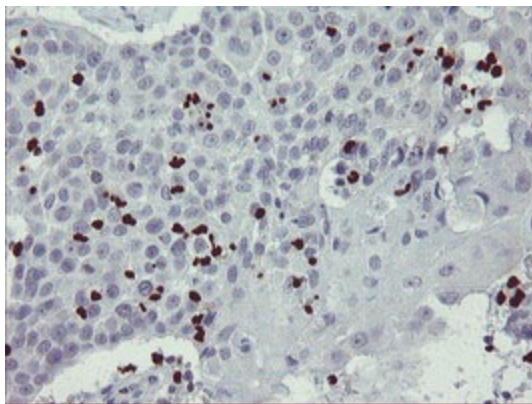
**Product images:**



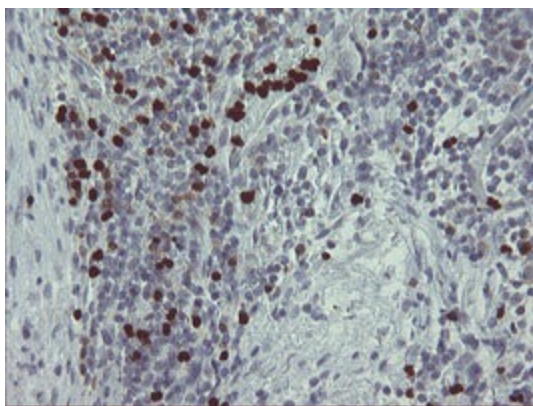
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PADI4 ([RC206501], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PADI4. Positive lysates [LY402202] (100ug) and [LC402202] (20ug) can be purchased separately from OriGene.



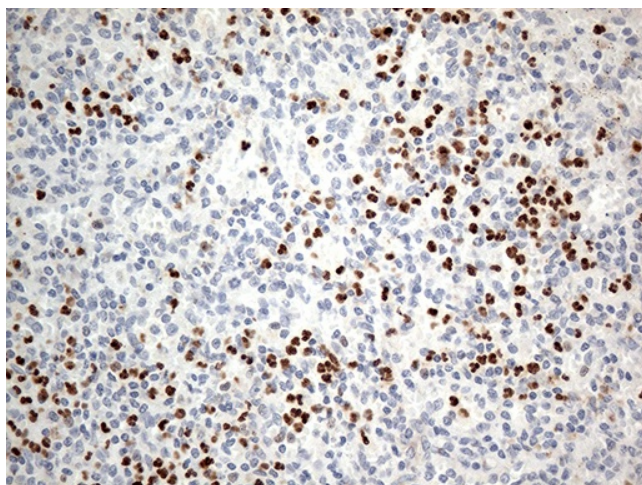
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PADI4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA504814])



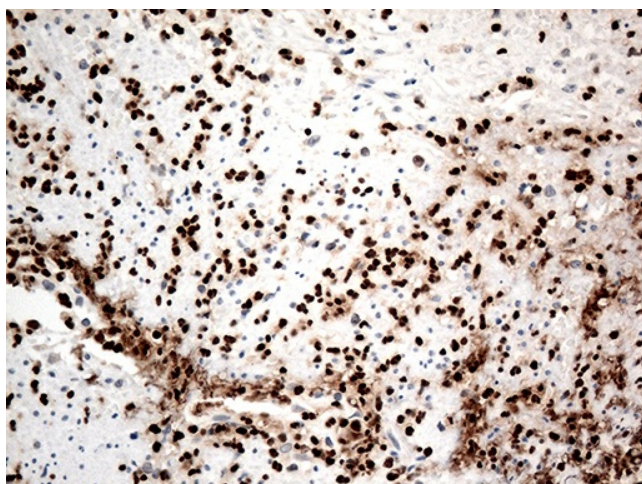
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-PADI4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA504814])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PADI4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA504814])



Immunohistochemical staining of paraffin-embedded Human spleen tissue within the normal limits using anti-PADI4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA504814]) (1:500)



Immunohistochemical staining of paraffin-embedded Human appendix tissue within the normal limits using anti-PADI4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA504814]) (1:500)