

## Product datasheet for **TA359928**

### **PADI3 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human PADI3
Specificity:	<b>Expected reactivity:</b> Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	73kDa
Gene Name:	peptidyl arginine deiminase 3
Database Link:	<a href="#">NP_057317</a> <a href="#">Entrez Gene 51702 Human</a> <a href="#">Q9ULW8</a>



[View online »](#)

**Background:**

This gene encodes a member of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The family members have distinct substrate specificities and tissue-specific expression patterns. The type III enzyme modulates hair structural proteins, such as filaggrin in the hair follicle and trichohyalin in the inner root sheath, during hair follicle formation. Together with the type I enzyme, this enzyme may also play a role in terminal differentiation of the epidermis. This gene exists in a cluster with four other paralogous genes.

**Synonyms:**

MGC126307; MGC126308; PAD3; PDI3

**Product images:**

Host: Rabbit  
Target Name: PAD13  
Sample Tissue: COLO205 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: PAD13  
Sample Type: COLO205 Whole Cell lysates  
Antibody Dilution: 1.0ug/ml