

## ARG59048 anti-Elafin antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Elafin
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Elafin
Species	Human
Immunogen	Recombinant protein corresponding to A61-Q117 of Human Elafin.
Conjugation	Un-conjugated
Alternate Names	Protease inhibitor WAP3; cementoin; WFDC14; Skin-derived antileukoproteinase; WAP four-disulfide core domain protein 14; SKALP; Elafin; Elastase-specific inhibitor; WAP3; Peptidase inhibitor 3; ESI; PI-3

### Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

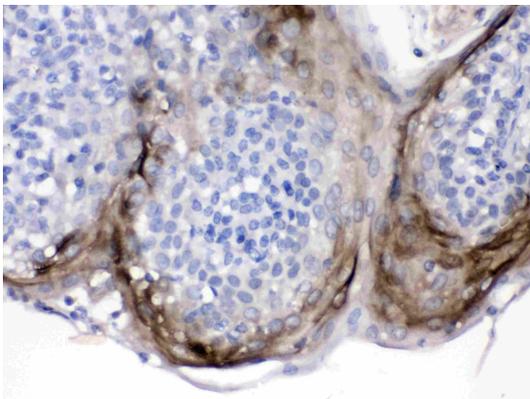
## Bioinformation

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Gene Symbol	PI3
Gene Full Name	peptidase inhibitor 3, skin-derived
Background	This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria, and fungal pathogens. The protein contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster. Expression of this gene is upregulated by bacterial lipopolysaccharides and cytokines. [provided by RefSeq, Oct 2014]
Function	Neutrophil and pancreatic elastase-specific inhibitor of skin. It may prevent elastase-mediated tissue proteolysis. [UniProt]
Calculated Mw	12 kDa
Cellular Localization	Secreted. [UniProt]

## Images

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ARG59048 anti-Elafin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG59048 anti-Elafin antibody at 1 µg/ml dilution.