

Rabbit Elafin/Skalp Polyclonal Antibody | anti-PI3 antibody

Anti-Elafin/Skalp Antibody

CATALOG # AAA46624	HOST Rabbit	REACTIVITY Human No cross reactivity with other proteins.	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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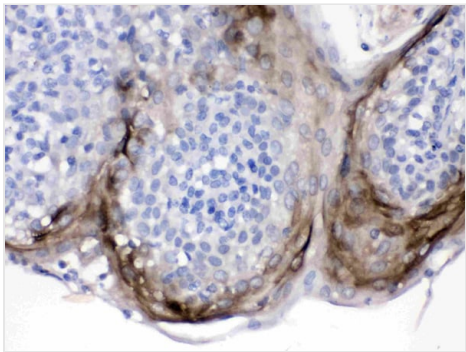
PRODUCT SYNONYMS

Elafin/Skalp; Polyclonal Antibody; Anti-Elafin/Skalp Antibody; Cementoin; Elafin; ES 1; ESI; PI3; PI-3; PI 3; SKALP; Trappin 2; WAP3; WFDC14; P19957; peptidase inhibitor 3; anti-PI3 antibody

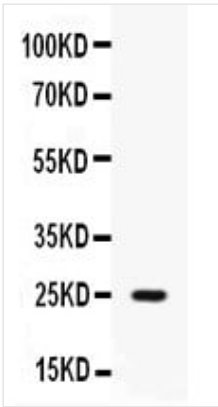
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	117
Applicable Applications for anti-PI3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Elafin/Skalp recombinant protein (Position: A61-Q117).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Elafin/Skalp was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti- Elafin/Skalp Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of Elafin/Skalp expression in human placenta extract (lane 1). Elafin/Skalp at 25KD was detected using rabbit anti- Elafin/Skalp Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-PI3 antibody	Rabbit IgG polyclonal antibody for Elafin (PI3) detection. Background: Elafin, also known as peptidase inhibitor 3 or skin-derived antileukoprotease (SKALP), is a protein that in humans is encoded by the PI3 gene. 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. And this gene belongs to the centromeric cluster. Expression of this gene is upregulated by bacterial lipopolysaccharides and cytokines.
References	1. "Entrez Gene: PI3 peptidase inhibitor 3, skin-derived (SKALP)". 2. Clauss A, Lilja H, Lundwall A (Nov 2002). "A locus on human chromosome 20 contains several genes expressing protease inhibitor domains with homology to whey acidic protein". Biochem J 368 (Pt 1): 233-42. 3. Molhuizen HO, Zeeuwen PL, Olde Weghuis D, Geurts van Kessel A, Schalkwijk J (Feb 1994). "Assignment of the human gene encoding the epidermal serine proteinase inhibitor SKALP (PI3) to chromosome region 20q12-->q13". Cytogenet Cell Genet 66 (2): 129-31.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505787
NCBI GeneID	5266
NCBI Accession #	NP_002629.1
NCBI GenBank Nucleotide #	NM_002638.3
UniProt Accession #	P19957; Q6FG74; E1P618
Molecular Weight	12,270 Da
NCBI Official Full Name	elafin preproprotein
NCBI Official Synonym Full Names	peptidase inhibitor 3
NCBI Official Symbol	PI3
NCBI Official Synonym Symbols	ESI; WAP3; SKALP; WFDC14; cementoin
NCBI Protein Information	elafin
UniProt Protein Name	Elafin

UniProt Gene Name	PI3
UniProt Synonym Gene Names	WAP3; WFDC14; ESI; PI-3; SKALP
UniProt Entry Name	ELAF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/elafin-skalp-antibody-immunohistochemistry-western-blot-elisa/46624>