10320 Camino Santa Fe, Suite G
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ANUP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59422

Specification

ANUP Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	P55000
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**9 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human SLURP1/ANUP**
Epitope Specificity	**1-100/103**
Isotype	**IgG**
Purity affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Secreted.**
SIMILARITY	**Contains 1 UPAR/Ly6 domain.**
SUBUNIT	**Homodimer.**
DISEASE	**Defects in SLURP1 are a cause of Mal de Meleda (MDM) [MIM:248300]; also known as keratosis palmoplantaris transgradiens of Siemens. MDM is a rare autosomal recessive skin disorder, characterized by diffuse transgressive palmoplantar keratoderma with keratotic lesions extending onto the dorsa of the hands and the feet (transgrediens). Patients may have hyperhidrosis. Other features include perioral erythema, lichenoid plaques on the knees and the elbows, and nail abnormalities.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
SLURP1, also known as MDM, ARS, ANUP (anti-neoplastic urinary protein), LY6LS or ArsB (ARS component B), is a 103 amino acid secreted protein that exists as a homodimer possessing antitumor activity. Found in esophagus, stomach, exocervix, gums, urine, sweat, saliva, plasma and tears, SLURP1 is most highly expressed in the acrosyringium of the granular layer of skin, where it helps maintain the structure of the keratinocyte layers of the skin. Also considered a marker for late skin differentiation, SLURP1 contains one UPAR/Ly6 domain and is the cause of an autosomal recessive disorder of the skin known as Mal de Meleda (MDM). MDM Is characterized by nail abnormalities, keratotic skin lesions, transgressive palmoplantar keratoderma (PPK), perioral erythema and may sometimes include hyperhidrosis.

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ANUP Polyclonal Antibody - Additional Information

Gene ID 57152

Other Names
Secreted Ly-6/uPAR-related protein 1, SLURP-1, ARS component B, ARS(component B)-81/S, Anti-neoplastic urinary protein, ANUP, SLURP1, ARS

Target/Specificity
Granulocytes. Expressed in skin. Predominantly expressed in the granular layer of skin, notably the acrosyringium. Identified in several biological fluids such as sweat, saliva, tears, plasma and urine.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

ANUP Polyclonal Antibody - Protein Information

Name SLURP1

Synonyms ARS

Function
Has an antitumor activity (PubMed:8742060). Was found to be a marker of late differentiation of the skin. Implicated in maintaining the physiological and structural integrity of the keratinocyte layers of the skin (PubMed:14721776, PubMed:17008884). In vitro down-regulates keratinocyte proliferation; the function may involve the proposed role as modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-7-dependent nAChR currents in an allosteric manner (PubMed:14506129, PubMed:26905431). In T cells may be involved in regulation of intracellular Ca(2+) signaling (PubMed:17286989). Seems to have an immunomodulatory function in the cornea (By similarity). The function may implicate a possible role as a scavenger receptor for PLAU thereby blocking PLAU-dependent functions of PLAUR such as in cell migration and proliferation (PubMed:25168896).

Cellular Location
Secreted

Tissue Location
Granulocytes. Expressed in skin. Predominantly expressed in the granular layer of skin, notably the acrosyringium Identified in several biological fluids such as sweat, saliva, tears, plasma and urine.

ANUP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ANUP Polyclonal Antibody - Images