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LOR/Loricrin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57050

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P23490
Reactivity	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25761
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LOR/Loricrin
Epitope Specificity	251-312/312
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	Cytoplasm. Nucleus ; nucleoplasm.
Post-translational modifications	Substrate of transglutaminases. Some glutamines and lysines are cross-linked to other loricrin molecules and to SPRRs proteins. Contains inter- or intramolecular disulfide-bonds.
DISEASE	Defects in LOR are a cause of progressive symmetric erythrokeratodermia (PSEK) [MIM:133200]. Erythrokeratodermas are a group of disorders characterized by widespread erythematous plaques, either stationary or migratory, associated with features that include palmoplantar keratoderma. PSEK is characterized by erythematous and hyperkeratotic plaques. Defects in LOR are the cause of Vohwinkel syndrome with ichthyosis (VSI) [MIM:604117]; also known as loricrin keratoderma (LK) or mutilating keratoderma with ichthyosis. VSI is an ichthyotic variant of Vohwinkel syndrome (VS) characterized by progressive symmetric erythrokeratoderma or congenital ichthyosiform erythroderma born as a collodion baby. Common clinical features include hyperkeratosis of the palms and soles with digital constriction.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes loricrin, a major protein component of the cornified cell envelope found in terminally differentiated epidermal cells. Mutations in this gene are associated with Vohwinkel's syndrome and progressive symmetric erythrokeratoderma, both inherited skin diseases. [provided by RefSeq, Jul 2008]

Additional Information

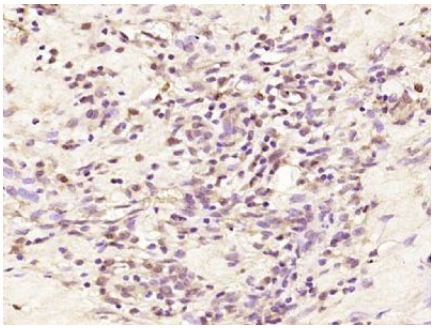
Gene ID	4014
Other Names	Loricrin, LORICRIN (HGNC:6663), LOR, LRN

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C 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 °C.

Protein Information

Name	LORICRIN (HGNC:6663)
Synonyms	LOR, LRN
Function	Major keratinocyte cell envelope protein.
Cellular Location	Cytoplasm. Nucleus, nucleoplasm.

Images



Paraformaldehyde-fixed, paraffin embedded (human skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LOR) Polyclonal Antibody, Unconjugated (AP57050) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.