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ZNF750 Rabbit pAb

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Catalog # AP54788

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q32MQ0
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77361
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Human ZNF750
Epitope Specificity	1-100/723
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Defects in ZNF750 are the cause of Seborrhea-like dermatitis with psoriasiform (SLDP) [MIM:610227]. SLDP is characterized by a chronic fine diffuse scaly erythematous rash on the face, particularly on the chin, nasolabial folds and eyebrows, around earlobes and over the scalp. The rash exacerbate in the winter, with emotional stress and after strenuous physical activity. Hyperkeratosis of skin over the elbows, knees, palms, soles and metacarpophalangeal joints is evident. There is no arthralgia, arthritis or neurological disorders.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Zinc finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. Zinc finger protein 750 is a 723 amino acid member of the Krüppel C2H2-type zinc finger protein family. Localized to the nucleus, ZNF750 contains one conserved C2H2 zinc finger domain and is expressed in the skin, lungs, prostate, placenta and thymus. ZNF750 is also expressed in primary human keratinocytes but not in fibroblasts. Mutations in the gene encoding ZNF750 cause Seborrhea-like dermatitis with psoriasiform, a condition characterized by a chronic and diffuse rash on the face and hyperkeratosis of skin over the elbows, soles, knees and palms.

Additional Information

Gene ID	79755
Other Names	Zinc finger protein 750, ZNF750

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	ZNF750
Function	Transcription factor involved in epidermis differentiation. Required for terminal epidermal differentiation: acts downstream of p63/TP63 and activates expression of late epidermal differentiation genes. Specifically binds to the promoter of KLF4 and promotes its expression.
Cellular Location	Nucleus.
Tissue Location	Expressed in the skin, prostate, lung, placenta and thymus, and at low level in T-cells. Not expressed in peripheral blood leukocytes, pancreas and brain. Clearly expressed in primary keratinocytes but not in fibroblasts.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.