Resource Summary Report

Generated by NIF on Aug 15, 2026

Sharpin^{cpdm}/Sharpin^{cpdm}

RRID:MGI:3695413
Type: Organism

Proper Citation

RRID:MGI:3695413

Organism Information

URL:

Proper Citation: RRID:MGI:3695413

Description: Allele Detail: Spontaneous This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Spontaneous This is a legacy resource.

Phenotype: premature hair loss, decreased IgG level, alopecia, decreased T cell number, increased eosinophil cell number, thick epidermis stratum basale, decreased immunoglobulin level, abnormal spleen B cell follicle morphology, scaly skin, parakeratosis, abnormal lung interstitium morphology, decreased CD4-positive, alpha beta T cell number, abnormal lymph node morphology, increased IgM level, scaly skin, extramedullary hematopoiesis, lung inflammation, abnormal tongue squamous epithelium morphology, increased bone marrow cell number, increased mast cell number, thick epidermis, epidermal hyperplasia, enlarged spleen, skin lesions, thick epidermis, acanthosis, lymph node inflammation, extramedullary hematopoiesis, folliculitis, weight loss, decreased IgE level, increased keratinocyte apoptosis, thick eyelids, mixed cellular infiltration to dermis, esophageal inflammation, abnormal hair follicle morphology, abnormal spleen morphology, increased mast cell number, stomach inflammation, increased keratinocyte proliferation, abnormal angiogenesis, abnormal spleen white pulp morphology, abnormal lymph node morphology, postnatal growth retardation, abnormal liver morphology, abnormal synovial joint capsule morphology, large lymphoid organs, abnormal immune system organ morphology, increased keratinocyte apoptosis, skin edema, joint inflammation, abnormal stomach epithelium morphology, increased eosinophil cell number, abnormal spleen white pulp morphology, skin lesions, hyperkeratosis, abnormal esophageal epithelium morphology, abnormal epidermis stratum granulosum morphology, absent Peyer's patches, abnormal liver morphology, abnormal esophageal epithelium morphology, dermatitis, abnormal epidermal layer morphology, decreased B cell number, increased pruritus, mixed cellular infiltration to dermis,

hyperkeratosis, abnormal coat appearance, abnormal hair shaft morphology, parakeratosis, absent spleen germinal center, absent spleen marginal zone, premature hair loss, female infertility, abnormal dermal layer morphology, extramedullary hematopoiesis, abnormal epidermis stratum corneum morphology, scaly skin, decreased IgA level, enlarged spleen, abnormal mesenteric lymph node morphology, abnormal humoral immune response, increased keratinocyte apoptosis, abnormal epidermis stratum basale morphology, reddish skin, reduced male fertility, reddish skin, decreased IgE level, mixed cellular infiltration to dermis

Affected Gene: Sharpin

Genomic Alteration: cpdm

Catalog Number: 3695413

Background: C57BL/KaLawRij-Sharpin

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: PMID:8774148, PMID:10201907, PMID:8362989

Organism Name: $Sharpin^{cpdm}/Sharpin^{cpdm}$

Record Creation Time: 20240120T190535+0000

Record Last Update: 20240130T201950+0000

Ratings and Alerts

No rating or validation information has been found for $Sharpin^{cpdm}/Sharpin^{cpdm}$.

No alerts have been found for $Sharpin^{cpdm}/Sharpin^{cpdm}$.

Data and Source Information

Source: Integrated Animals

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Anderton H, et al. (2022) Langerhans cells are an essential cellular intermediary in chronic dermatitis. Cell reports, 39(10), 110922.