

Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

B6.129P2-Syk^{tm1.2Tara/J}

RRID:IMSR_JAX:017309

Type: Organism

Proper Citation

RRID:IMSR_JAX:017309

Organism Information

URL: <https://www.jax.org/strain/017309>

Proper Citation: RRID:IMSR_JAX:017309

Description: Mus musculus with name B6.129P2-Syk^{tm1.2Tara/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129P-Sykb/J. B6.129P2-Sykb/J

Notes: gene symbol note: spleen tyrosine kinase; mutant strain|congenic strain: Syk

Affected Gene: spleen tyrosine kinase

Genomic Alteration: targeted mutation 1.2; Alexander Tarakhovsky

Catalog Number: JAX:017309

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129P2-Syk^{tm1.2Tara/J}

Record Creation Time: 20250513T053731+0000

Record Last Update: 20260801T050448+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Syk^{tm1.2Tara/J}.

No alerts have been found for B6.129P2-Syk^{tm1.2Tara/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Tsukui D, et al. (2023) GM-CSF receptor/SYK/JNK/FOXO1/CD11c signaling promotes atherosclerosis. *iScience*, 26(8), 107293.

Ennerfelt H, et al. (2022) SYK coordinates neuroprotective microglial responses in neurodegenerative disease. *Cell*, 185(22), 4135.

Walbaum S, et al. (2021) Complement receptor 3 mediates both sinking phagocytosis and phagocytic cup formation via distinct mechanisms. *The Journal of biological chemistry*, 296, 100256.

Prado Acosta M, et al. (2021) S-Layer From *Lactobacillus brevis* Modulates Antigen-Presenting Cell Functions via the Mincle-Syk-Card9 Axis. *Frontiers in immunology*, 12, 602067.

Doron I, et al. (2021) Human gut mycobiota tune immunity via CARD9-dependent induction of anti-fungal IgG antibodies. *Cell*, 184(4), 1017.

Liu S, et al. (2021) Critical role of Syk-dependent STAT1 activation in innate antiviral immunity. *Cell reports*, 34(3), 108627.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. *Neuron*, 106(1), 37.

Pu??al VM, et al. (2019) Large-scale death of retinal astrocytes during normal development is non-apoptotic and implemented by microglia. *PLoS biology*, 17(10), e3000492.

Samavedam UK, et al. (2018) Whole-Genome Expression Profiling in Skin Reveals SYK As a Key Regulator of Inflammation in Experimental Epidermolysis Bullosa Acquisita. *Frontiers in immunology*, 9, 249.

Luo W, et al. (2018) B Cell Receptor and CD40 Signaling Are Rewired for Synergistic Induction of the c-Myc Transcription Factor in Germinal Center B Cells. *Immunity*, 48(2), 313.

Li X, et al. (2018) Response to Fungal Dysbiosis by Gut-Resident CX3CR1+ Mononuclear Phagocytes Aggravates Allergic Airway Disease. *Cell host & microbe*, 24(6), 847.

Yang Z, et al. (2016) Regulation of B cell fate by chronic activity of the IgE B cell receptor. eLife, 5.