

# Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

## KOMP ES cell line *Arhgef4tm2a(KOMP)Wtsi*

RRID:MMRRC\_052331-UCD

Type: Organism

### Proper Citation

RRID:MMRRC\_052331-UCD

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc\\_id=52331](https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=52331)

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**Description:** Mus musculus with name KOMP ES cell line *Arhgef4tm2a(KOMP)Wtsi* from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

**Phenotype:** decreased bone mineral density [MP:0000063]| decreased IgE level [MP:0002492]| decreased circulating triglyceride level [MP:0002644]| decreased hemoglobin content [MP:0002874]| increased circulating alkaline phosphatase level [MP:0002968]| decreased T cell number [MP:0005018]| abnormal response to tactile stimuli [MP:0005316]| increased circulating total protein level [MP:0005568]| increased mature B cell number [MP:0008210]| decreased IgG1 level [MP:0008495]

**Affected Gene:** |*Arhgef4*|

**Catalog Number:** 052331-UCD

**Background:** Targeted Mutation

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Source References:** [PMID:21677750](#)

**Alternate IDs:** MMRRC\_52331-UCD, MMRRC\_052331, MMRRC\_52331

**Organism Name:** KOMP ES cell line *Arhgef4tm2a(KOMP)Wtsi*

**Record Creation Time:** 20230308T055323+0000

**Record Last Update:** 20260801T124821+0000

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## Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Arhgef4*  
*tm2a(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Arhgef4tm2a(KOMP)Wtsi*.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.