

Mouse Phospho-STAT92E (Y711) Antibody | anti-STAT92E antibody

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CATALOG # AAA62492	HOST Mouse	REACTIVITY Drosophila melanogaster (Fruit fly)	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

Phospho-STAT92E (Y711); Phospho-STAT92E (Y711) Antibody; Signal transducer and transcription activator; d-STAT; Protein marelle; Stat92E; MARE; mrl; Stat; CG4257; anti-STAT92E antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Drosophila melanogaster (Fruit fly)
Specificity	Phospho-STAT92E (Y711) antibody detects endogenous levels of STAT92E only when phosphorylated at Tyrosine 711.
Applicable Applications for anti-STAT92E antibody	IF (Immunofluorescence), WB (Western Blot)
Preparation and Storage	Store at -20 °C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

Glypican genes dally and dlp were required for JAK/STAT signaling activity and Upd distribution. A-B: dally was expressed in the eye discs in both 2nd instar larval stage (A-A') and early 3rd instar larval stage (B-B'). Expression of dally was marked by dally-lacZ (red in A' and B'), and overlapped with pSTAT staining (green in A-B). (References: Yan Zhang. ect. Drosophila glypicans Dally and Dally-like are essential regulators for JAK/STAT signaling and Unpaired distribution in eye development. Dev Biol. 2013 Mar 1;375(1):23-32. doi: 10.1016/j.ydbio.2012.12.019. Epub 2013 Jan 8.



WB (Western Blot)

The levels of pStat92E and Stat92E are diminished in p115-depleted GSCs. (D) Western blot analysis and quantification of the levels of pStat92E protein in adult testes with indicated genotypes. b-Tubulin was used as blotting control. Data are shown as mean $\pm$ SD (n = 3). Two-tailed Student's t test was used. *p < 0.05. (References: Ruiyan Kong. ect. A feedforward loop between JAK/STAT downstream target p115 and STAT in germline stem cells. Stem Cell Reports. 2023 Oct 10;18(10):1940-1953. doi: 10.1016/j.stemcr.2023.08.007. Epub 2023 Sep 7.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT92E antibody	In Drosophila, hopscotch (hop) and STAT92E/marelle encode for Drosophila JAK and STAT, respectively, while domeless (dome) encodes for the only receptor. Might play a role in signal transduction and activation of transcription. Plays an important role in the segmental pattern formation in the early embryo by activating specific stripes of pair rule gene expression in early development as part of the Janus kinase-STAT pathway (PubMed:8608595). Might play a role in male germline stem cell maintenance (PubMed:34644293).
References	Yan Zhang. ect. Drosophila glypicans Dally and Dally-like are essential regulators for JAK/STAT signaling and Unpaired distribution in eye development. Dev Biol. 2013 Mar 1;375(1):23-32. doi: 10.1016/j.ydbio.2012.12.019. Epub 2013 Jan 8.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q24151
Molecular Weight	86kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-drosophila-drosophila-melanogaster-fruit-fly-melanogaster-antibody/phospho-stat92e-y711/62492>