# Inscuteable (C-8): sc-390728



The Power to Question

### **BACKGROUND**

Asymmetric cell division requires the orientation of mitotic spindles along the cell-polarity axis. In *Drosophila* neuroblasts, this involves the interaction of the proteins Inscuteable and Partner of inscuteable. Inscuteable is required to mediate and coordinate basal protein localization with mitotic spindle orientation. A scute is defined as a thin platelike structure.

### **REFERENCES**

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- Orgogozo, V., et al. 2001. Lineage, cell polarity and Inscuteable function in the peripheral nervous system of the *Drosophila* embryo. Development 128: 631-643.
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## **SOURCE**

Inscuteable (C-8) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 806-831 of Inscuteable of *Drosophila melanogaster* origin.

# **PRODUCT**

Each vial contains 200  $\mu g$   $lgG_{2a}$  in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Inscuteable (C-8) is available conjugated to agarose (sc-390728 AC), 500  $\mu$ g/ 0.25 ml agarose in 1 ml, for IP; to HRP (sc-390728 HRP), 200  $\mu$ g/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-390728 PE), fluorescein (sc-390728 FITC), Alexa Fluor\* 488 (sc-390728 AF488), Alexa Fluor\* 546 (sc-390728 AF546), Alexa Fluor\* 594 (sc-390728 AF594) or Alexa Fluor\* 647 (sc-390728 AF647), 200  $\mu$ g/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor\* 680 (sc-390728 AF680) or Alexa Fluor\* 790 (sc-390728 AF790), 200  $\mu$ g/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-390728 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

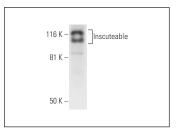
### **APPLICATIONS**

Inscuteable (C-8) is recommended for detection of Inscuteable of *Drosophila melanogaster* origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of Inscuteable: 95 kDa.

Positive Controls: Schneider's Drosophila Line 2 whole cell lysate: sc-364794.

## **DATA**



Inscuteable (C-8): sc-390728. Western blot analysis of Inscuteable expression in Schneider's *Drosophila* Line 2 whole cell lysate.

# **STORAGE**

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

#### **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

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