Reelin (E-5): sc-25346

**BACKGROUND**
Reelin (or Reln) is a large glycoprotein that is secreted by Cajal-Retzius cells in the forebrain and by granule neurons in the cerebellum. Reelin was shown to be mutated in "reeler" mice, a mutation that is associated with widespread disruption of laminated regions of the brain, leading to impaired motor coordination, tremors and ataxia. Reelin protein expression is complex and changes throughout development. Reelin appears to function upstream of Dab1, in a signaling pathway that controls cell positioning in the developing brain, and is also thought to be a direct effector of the neurotrophin BDNF.

**CHROMOSOMAL LOCATION**
Genetic locus: RELN (human) mapping to 7q22.1; Reln (mouse) mapping to 5 A3.

**SOURCE**
Reelin (E-5) is a mouse monoclonal antibody raised against amino acids 3239-3480 of Reelin of human origin.

**PRODUCT**
Each vial contains 200 µg IgG/kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Reelin (E-5) is available conjugated to agarose (sc-25346 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-25346 HRP), 200 µg/ml, for WB, IHCP (and ELISA) to either phycocytochrome (sc-25346 PE), fluorscein (sc-25346 FITC), Alexa Fluor® 488 (sc-25346 AF488), Alexa Fluor® 564 (sc-25346 AF564), Alexa Fluor® 594 (sc-25346 AF594) or Alexa Fluor® 647 (sc-25346 AF647), 200 µg/ml for WB (RGB), IF, IHCP (and FCM); and to either Alexa Fluor® 680 (sc-25346 AF680) or Alexa Fluor® 790 (sc-25346 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**APPLICATIONS**
Reelin (E-5) is recommended for detection of Reelin of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:5000), immunoprecipitation (1-2 µg per 100-500 µg of total protein [1 ml of cell lysate]), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 full length Reelin: 420 kDa.
Molecular Weight of Reelin cleavage products: 310/180 kDa.
Positive Controls: Hela whole cell lysate: sc-2200, mouse brain extract: sc-2253 or rat brain extract: sc-2392.

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

**DATA**
Reelin (E-5): sc-25346. Western blot analysis of Reelin expression in Hela whole cell lysate.

**SELECT PRODUCT CITATIONS**

**RESEARCH USE**
For research use only, not for use in diagnostic procedures.