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**anti-Sam68**

Cat #: HM1327  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Sam 68 is a 68 kDa protein, belonging to a family of RNA-binding proteins called STAR proteins, which mediates alternative splicing in response to extracellular signals. RNA binding and activity of SAM68 is regulated by upstream signals through phosphorylation and modulation of its interaction with other proteins, and with RNA. Sam68 is localized in the nucleus to a specific substructure called the Sam68/SLM Nuclear Bodies, colocalizing with splicing factors and helping to link perhaps signal transduction with RNA processing. In addition to the role of Sam68 regulating posttranscriptional gene expression, Sam68 also interacts with transcription factors such as CBP and appears to regulate gene expression. Sam68 is phosphorylated on tyrosine and functions as a substrate for src family tyrosine kinases during mitosis. Sam 68 also associates with several SH2 and SH3 domain-containing signaling proteins, such as GRB2.

**SPECIFICITY**

This antibody specifically recognizes Sam 68 of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

**IMMUNOGEN**

A recombinant protein corresponding to the carboxy terminus of human Sam68.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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