

Phospho-SSH3 (Ser37) Rabbit Polyclonal Antibody

Catalog #: EAB10825

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB	74	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting) 1:500-2000

Product Information

Conjugate	Unconjugate
Specificity	Phospho-SSH3 (Ser37) Rabbit Polyclonal Antibody detects endogenous levels of SSH3 protein only when phosphorylated at Ser37.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	Q8TE77
Entrez-Gene Id	54961

Product Description

SSH3 (Slingshot homolog 3), also known as SSH3L, is a 659 amino acid protein that localizes to both the nucleus and cytoplasm and is a human homolog of the *Drosophila* slingshot (ssh) protein. Functioning as a protein phosphatase, SSH3 is thought to regulate actin filament dynamics through its control of proteins such as ADF (actin-depolymerizing factor) and Cofilin. The ADF/Cofilin family consists of stimulus-responsive mediators that rapidly depolymerize and disassemble F-actin in a stoichiometric manner and can be deactivated by a variety of kinases. SSH3 acts to catalytically dephosphorylate the ADF/Cofilin proteins, thereby reactivating them and allowing them to resume their control over actin dynamics. SSH3 contains one tyrosine-protein phosphatase domain and is expressed as five isoforms due to alternative splicing events.

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