[Primary Antibody]

phospho-CstF64 (Ser83) Rabbit pAb



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— DATASHEET ————		400-901-9800
Host: Rabbit	lsotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal	-	Poactivity Human (predicted Mouse
GeneID: 1478	SWISS: P33240	Rat, Rabbit, Pig, Sheep,
Target: phospho-CstE64 (Ser83)		Cow, Chicken, Dog, Horse)
Immunogen: KLH conjugated synthesised phosphopeptide derived from human CstF64 around the phosphorylation site of Ser83: EF(p-S)GR.		Predicted MW.: ^{61 kDa}
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Subcellular Location: Nucleus
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Polyadenylation of mRNA precursors is a two-step reaction that requires multiple protein factors. The first step, endonucleolytic cleavage of polyadenylation substrates, requires CstF (cleavage stimulation factor), a heterotrimer that is composed of three distinct subunits. CstF-64 contains an RNA binding domain and is responsible for the RNA binding activity of CstF. CstF-64 is expressed in all somatic cells and in pre- and postmeiotic, but not meiotic, germ cells. However, a large variant of CstF-64, called t CstF-64, is abundantly expressed in meiotic and postmeiotic cells in the testis and to a lesser extent in the brain, and promotes the germ cell pattern of polyadenylation. The gene encoding CstF-64 (designated CSTF2) maps to the X chromosome, whereas t CstF-64 is encoded by an autosomal gene. The increase in CstF-64 concentration during B cell activation switches IgM heavy chain mRNA expression from membrane-bound to secreted forms, suggesting that CstF-64 plays a key role in regulating IgM heavy chain during B cell activation Restration		

- VALIDATION IMAGES ------



Sample: MCF-7 Cell (Human) Lysate at 40 ug Primary: Anti-phospho-CstF64 (Ser83) (bs-8522R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD Observed band size: 61 kD