bs-12935R **[Primary Antibody]**

CSTF3 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1479 **SWISS:** Q12996

Target: CSTF3

Immunogen: KLH conjugated synthetic peptide derived from human CSTF3/CSTF77: 151-250/717.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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. Heterotrimeric CstF recognizes GU- and U-rich sequences located downstream of the polyadenylation site on RNA. CstF-77 (cleavage stimulation factor, 77 kDa subunit), also known as CstF3, is one of the three subunits comprising CstF. It can exist as a homodimer and functions as the bridge, directly interacting with the other two CstF subunits, namely CstF-64 and CstF-50. CstF-77 is highly conserved among eukaryotes. It contains an Alpha-helical structure with 11 HAT (Half-a-TPR-containing) repeats and is essential for CstF assembly. In addition, CstF-77 is capable of interacting with CPSF1 and FCP1, other factors involved in polyadenylation.

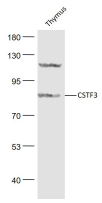
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Cow, Chicken, Dog)

Predicted MW.: 83 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Thymus (Mouse) Lysate at 40 ug
Primary: Anti-CSTF3 (bs-12935R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 83 kD Observed band size: 83 kD