bs-10794R **[Primary Antibody]**

Sox3 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: 6658 **SWISS:** P41225

Target: Sox3

Immunogen: KLH conjugated synthetic peptide derived from human Sox3: 101-200/446.

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: Sox genes comprise a family of genes that are related to the mammalian sex determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at least 40 different loci that rapidly diverged in various animal lineages. At present, 30 Sox genes have been identified. Members of this family have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal. Sox-3, also known as MRGH or SOXB, is implicated in mental retardation X-linked with isolated growth hormone deficiency (MRXGH) and infundibular hypoplasia and hypopituitarism.

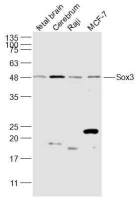
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Sheep, Cow, Chicken)

Predicted MW.: 45 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Cerebrum (Mouse) Lysate at 40 ug Fetal brain (Mouse) Lysate at 40 ug Raji(Human) Cell Lysate at 30 ug MCF-7(Human) Cell Lysate at 30 ug Primary: Anti-Sox3 (bs-10794R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 48 kD