bs-8568R **[Primary Antibody]**

Wnt11 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: 7481 **SWISS:** O96014

Target: Wnt11

Immunogen: KLH conjugated synthetic peptide derived from human Wnt11: 151-250/354.

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: The Wnt genes belong to a family of protooncogenes with at least 13 known members that are expressed in species ranging from Drosophila to man. The name Wnt denotes the relationship of this family to the Drosophila segment polarity gene ” wingless” and to its vertebrate ortholog, Int-1, a mouse proto-oncogene. Transcription of Wnt family genes appears to be developmentally regulated in a precise temporal and spatial manner. The Wnt genes encode cysteine-rich putative glycoproteins which have features typical of secreted growth factors. Wnt-11 is expressed in the tips of ureteric buds and in the perichondrium, a stem cell-like layer that surrounds the future bones and directs their growth and regeneration. Wnt-11 activity is required for cells to undergo correct convergent extension movements during gastrulation. Human Wnt-11 is also expressed in the lung mesenchyme, the urorectal septum, the urogenital folds, the labioscrotal swellings, and the cortex of the adrenal gland. Unlike other Wnt family members, Wnt-11 is not expressed in the neuroepithelium of the central nervous system. Wnt-11, along with Wnt-8c, is ex-pressed in the posterior region of the chick embryo in the caudal paraxial mesoderm that underlies the prospective caudal neural plate. The gene which encodes Wnt-11 maps to human chromosome 11q13.5.

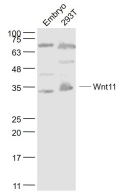
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

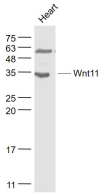
Predicted MW.: 36 kDa

Subcellular Location: Secreted ,Extracellular matrix

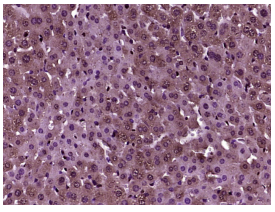
VALIDATION IMAGES



Sample: Embryo (Mouse) Lysate at 40 ug 293T(Human) Cell Lysate at 30 ug Primary: Anti-Wnt11 (bs-8568R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 35 kD



Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- Wnt11 (bs-8568R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 34 kD



Paraformaldehyde-fixed, paraffin embedded (mouse liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Wnt11) Polyclonal Antibody, Unconjugated (bs-8568R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=9.8]** Xiaoyan Zheng. et al. Novel findings from arsenic-lead combined exposure in mouse testicular TM4 Sertoli cells based on transcriptomics. SCI TOTAL ENVIRON. 2023 Dec;:169611 WB ;Mouse. 38157908
- **[IF=9]** He Jiahao. et al. Mechanical stiffness promotes skin fibrosis via Piezo1-Wnt2/Wnt11-CCL24 positive feedback loop. CELL DEATH DIS. 2024 Jan;15(1):1-14 WB ;Human. 38267432
- **[IF=2.91]** Zhang Y et al. Comparative study on seasonal hair follicle cycling by analysis of the transcriptomes from cashmere and milk goats. Genomics. 2019 Feb 16. pii: S0888-7543(18)30576-7. WB ;Goat. 30779940
- **[IF=2.8]** Jiaqi Fu. et al. Analysis of the Long Non-Coding and Messenger RNA Expression Profiles in the Skin Tissue of Super Merino and Small-Tailed Han Sheep. CURR ISSUES MOL BIOL. 2024 Sep;46(9):9588-9606 IHC ;Sheep. 10.3390/cimb46090570