bs-13203R **[Primary Antibody]**

FOXI1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2299 **SWISS:** Q12951

Target: FOXI1

Immunogen: KLH conjugated synthetic peptide derived from human FOXI1: 101-200/378.

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: FOXI1 is a member of the FOX family of transcription factors. The FOX family is a large group of proteins (consisting of at least 43 members) that share a common DNA binding domain termed winged-helix or forkhead domain. FOX transcription factors play important roles in development, differentiation, aging and hormone responsiveness. Localizing to the nucleus, FOXI1 functions as a transcription factor. Mice with mutated forms of FOXI1 show defects in ear development, implying that FOXI1 plays a significant role in the developmental pathway of ears and, in particular, the cochlea and vestibulum. FOXI1 is an upstream transcription regulator of Pendrin (a protein associated with deafness), suggesting a role for FOXI1 in the pathogenesis of Pendred syndrome (PS), a condition of nonsyndromic hearing loss and enlarged vestibular aqueduct (EVA).

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

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

Predicted MW.: 41 kDa

Subcellular Location: Nucleus

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.