bs-12414R **[Primary Antibody]**

AMHR2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 269 **SWISS:** Q16671

Target: AMHR2

Immunogen: KLH conjugated synthetic peptide derived from human MISRII/AMHR2: 21-120/573.

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: MISR II is a 573 amino acid protein encoded by the human gene AMHR2. MISR II belongs to the protein kinase superfamily, TKL Ser/Thr protein kinase family, TGFB receptor subfamily and contains one protein kinase domain. Upon ligand binding, MISR II forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. These type II receptors phospho-rylate and activate type I receptors which autophosphorylate, then bind and activate Smad transcriptional regulators. MISR II also acts as a receptor for anti-Muellerian hormone. Defects in AMHR2 are the cause of persistent Muellerian duct syndrome type 2 (PMDS-2). PMDS-2 is a form of male pseudo-hermaphroditism characterized by a failure of Muellerian duct regression in otherwise normal males.

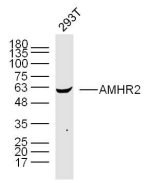
Applications: **WB** (1:500-2000)

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

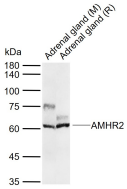
Predicted MW.: 61 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: 293T Cell (Human) Lysate at 30 ug Primary: Anti- AMHR2 (bs-12414R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61kD Observed band size: 61 kD



Sample: Lane 1: Mouse Adrenal gland tissue lysates Lane 2: Rat Adrenal gland tissue lysates Primary: Anti-AMHR2 (bs-12414R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kDa Observed band size: 61 kDa