

bs-16883R**[Primary Antibody]****LVRN Rabbit pAb****BioSS**
ANTIBODIES

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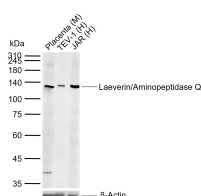
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DATASHEET

Host: Rabbit Clonality: Polyclonal GeneID: 206338 Target: LVRN Immunogen: KLH conjugated synthetic peptide derived from human LVRN: 501-600/990. 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: Laeverin is a 990 amino acid member of the peptidase M1 family and contains an HEXHHX18E gluzincin motif and an H(G)AMEN motif. Expressed specifically in placenta on embryo-derived extravillous trophoblasts (EVTs), laeverin localizes to the cell membrane and is a single-pass type II membrane protein. Laeverin binds zinc and functions as a bestatin-sensitive leucine aminopeptidase with a potential role in EVT function. This suggests that laeverin may be involved in human placentation, during which EVT's invade maternal decidua and spiral areteries. More specifically, laeverin may function by regulating the activities of key peptides at the embryo-maternal interface. Laeverin has a broad substrate specificity but exhibits a preference for Leu-4-methylcoumaryl-7-amide. In addition, laeverin can form a homodimer with intermolecular disulfide bond(s).	Isotype: IgG SWISS: Q6Q4G3 Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Dog) Predicted MW.: 113 kDa Subcellular Location: Cell membrane
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VALIDATION IMAGES

Sample: Lane 1: Mouse Placenta tissue lysates
Lane 2: Human THP-1 cell lysates Lane 3: Human JAR cell lysates
Primary: Anti-Laeverin/Aminopeptidase Q (bs-16883R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 113 kDa Observed band size: 120 kDa