bs-9437R **[Primary Antibody]**

FAR1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 84188 **SWISS:** Q8WVX9

Target: FAR1

Immunogen: KLH conjugated synthetic peptide derived from human FAR1: 55-160/515.

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 conversion of fatty acids to fatty alcohols is required for the synthesis of wax monoesters and ether lipids. Members of the fatty acyl-CoA reductase family, including FAR1 (fatty acyl-CoA reductase 1) and FAR2 (fatty acyl-CoA reductase 2), play a role in catalyzing the reduction of saturated fatty acyl-CoA with chain length C16 or C18 to fatty alcohols. FAR1, also known as male sterility domain-containing protein 2 (MLSTD2) or short chain dehydrogenase/reductase family 10E, member 1 (SDR10E1), is a 515 amino acid single-pass membrane protein that localizes to the peroxisome, FAR1 is suggested to be essential for providing fatty alcohols required for ether bond formation in ether glycerophospholipid synthesis. The gene encoding FAR1 is located on chromosome 11, which comprises nearly 4% of the human genome.

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

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

Predicted MW.: 59 kDa

Subcellular Location: Cell membrane ,Cytoplasm