bs-9521R

[Primary Antibody]

FECH Rabbit pAb

— DATASHEET —

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

GeneID: 2235

SWISS: P22830

Target: FECH

Immunogen: KLH conjugated synthetic peptide derived from human EPB41: 81-180/423.

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℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

Background: Ferrochelatase catalyzes the insertion of the ferrous form of iron into protoporphyrin IX in the heme synthesis pathway, and is localised in the mitochondrion. Defects in ferrochelatase are associated with protoporphyria. Two transcript variants encoding different isoforms have been found for this gene. Porphyrias are a group of inherited or acquired disorders of certain enzymes in the heme biosynthetic pathway (also called porphyrin pathway). They are broadly classified as hepatic porphyrias or erythropoietic porphyrias, based on the site of the overproduction and mainly accumulation of the porphyrins (or their chemical precursors). They manifest with either skin problems, or neurological complications, or occasionally both.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:50-200)
ELISA (1:5000-10000)

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

Predicted MW.: 43 kDa

Subcellular Location: Cell membrane ,Cytoplasm

— SELECTED CITATIONS —

- **[IF=2.589]** Omoto K et al. Expression of peptide transporter 1 has a positive correlation in protoporphyrin IX accumulationinduced by 5-aminolevulinic acid with photodynamic detection of non-small cell lung cancer and metastatic brain tumor specimens originating from non-small cell lung cancer. Photodiagnosis Photodyn Ther. 2019 Mar;25:309-316. IHC,WB ;Human. 30639584