bs-8428R **[Primary Antibody]**

BRP44L Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 51660 **SWISS:** Q9Y5U8

Target: BRP44L

Immunogen: KLH conjugated synthetic peptide derived from human BRP44L: 1-80/109.

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: BRP44L, also known as HSPC040 or CGI-129, is a 109 amino acid mitochondrial protein belonging to the UPF0041 family. The gene that encodes BRP44L maps to human chromosome 6. Making up nearly 6% of the human genome, chromosome 6 contains around 1,200 genes within 170 million base pairs of sequence. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer suggesting the presence of a cancer susceptibility locus. Porphyria cutanea tarda is associated with chromosome 6 through the HFE gene which, when mutated, predisposes an individual to developing this porphyria. Notably, the PARK2 gene, which is associated with Parkinson's disease, and the genes encoding the major histocompatiblity complex proteins, which are key molecular components of the immune system and determine predisposition to rheumatic diseases, are also located on chromosome 6. Stickler syndrome, 21-hydroxylase deficiency and maple syrup urine disease are also associated with genes on chromosome 6. A bipolar disorder susceptibility locus has been identified on the q arm of chromosome 6.

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

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

Predicted MW.: 12 kDa

Subcellular Location: Cell membrane ,Cytoplasm