bs-12385R **[Primary Antibody]**

IPMK Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 253430 **SWISS:** Q8NFU5

Target: IPMK

Immunogen: KLH conjugated synthetic peptide derived from human IPMK: 101-200/416.

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: Inositol polyphosphate multikinase (IPMK) belongs to the inositol phosphokinase (IPK) family and is characterized as having a broad substrate specificity. However, IPMK displays a preference for inositol-1,4,5-trisphosphate (Ins(1,4,5)P3) and inositol 1,3,4,6-tetrakisphosphate (Ins(1,3,4,6)P4). IPMK is ubiquitously expressed with the highest expression in skeletal muscle, liver, placenta, lung, peripheral blood leukocytes, kidney, spleen and colon. IPMK is localized to the nucleus, where it may play a role in the regulation of calcium release from intracellular stores and has been implicated as a drug target for cancer therapies. The gene encoding IPMK maps to human chromosome 10, which contains over 800 genes. Notably, disorders linked to genes on chromosome 10 include Cowden syndrome, Cockayne syndrome and Tetrahydrobiopterin deficiency.

Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

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

Predicted MW.: 47 kDa

Subcellular Location: Nucleus