bsm-52174R **[Primary Antibody]**

PLCG1 Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 85F11
GeneID: 5335
SWISS: P19174
Target: PLCG1
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 protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].

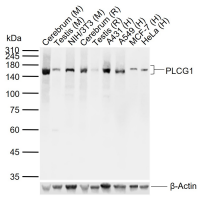
Applications: **WB** (1:500-1000)
IHC-P (1:100-500)
IHC-F (1:50-200)
IF (1:50-200)
ICC/IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW.: 148 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Mouse NIH/3T3 cell lysates Lane 4: Rat Cerebrum tissue lysates Lane 5: Rat Testis tissue lysates Lane 6: Human A431 cell lysates Lane 7: Human A549 cell lysates Lane 8: Human MCF-7 cell lysates Lane 9: Human HeLa cell lysates Primary: Anti-PLCG1 (bsm-52174R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 148 kDa Observed band size: 155 kDa