

## GPAM polyclonal antibody

Catalog: BS8294

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

GPAM (glycerol-3-phosphate acyltransferase, mitochondrial), also known as GPAT1, GPAT or KIAA1560, is an 828 amino acid multi-pass membrane protein that localizes to the outer membrane of the mitochondria and is involved in phospholipid metabolism. More specifically, GPAM functions to catalyze the first and committing step in the biosynthesis of glycerolipid, namely the conversion of Acyl-CoA and sn-glycerol 3-phosphate to CoA and 1-acyl-sn-glycerol 3-phosphate. Via its catalytic activity, GPAM plays an essential role in the regulation of cellular triacylglycerol and phospholipid levels. The gene encoding GPAM maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, non-syndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

### Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

### Molecular Weight:

~ 94 kDa

### Swiss-Prot:

Q9HCL2

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:2000

IHC: 1:50~1:200

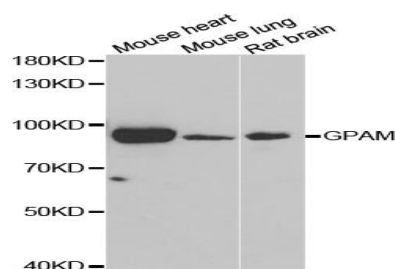
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

GPAM polyclonal antibody detects endogenous levels of GPAM protein.

### DATA:



WesternBlot (WB) analysis of GPAM polyclonal antibody

### Note:

For research use only, not for use in diagnostic procedure.

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