# HM74 (T327) polyclonal antibody

Catalog: BCP00888 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

HM74, also known as PUMAG or Puma-g, is a member of the G protein coupled receptor (GPCR) superfamily. In humans, HM74 is encoded by two different genes (GPR109A and GPR109B) that produce proteins, namely HM74A and HM74 (or HM74B), which are 96% homologous. In mice and rats, only one gene encodes the HM74 protein (Gpr109a). HM74 is a G(i) protein-coupled receptor that mediates the metabolic effects of nicotinic acid. Localizing to the cell membrane, HM74 is highly expressed in adipocytes, immune cells and spleen. Like all members of the GPCR superfamily, HM74 contains seven transmembrane domains. HM74 lacks the N-linked glycosylation sites near the N-terminus that are present in other GPCR family members.

## Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

## Molecular Weight:

~ 45 kDa

## Swiss-Prot:

P49019/Q8TDS4

## 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: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

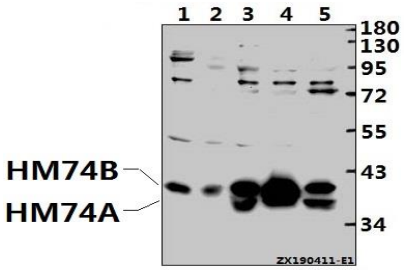
## Storage&Stability:

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

## Specificity:

HM74 (T327) polyclonal antibody detects endogenous levels of HM74B protein. This antibody also recognizes HM74A protein.

## DATA:




Western blot (WB) analysis of GPR109B pAb at 1:500 dilution

Lane1:PMVEC whole cell lysate(40ug)

Lane2:SP2/0 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:Myla2059 whole cell lysate(40ug)

Lane5:MCF-7 whole cell lysate(40ug)

## Note:

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

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