

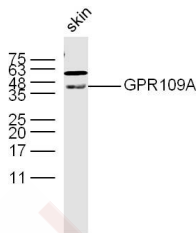
## Anti-GPR109A Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Cow,Rabbit)
Molecular Weight:	Theoretical: 40 kDa. Actual: 40 kDa.
Purification:	Protein A purified

### Applications

Sample:	Skin (Mouse) Lysate at 40 µg
Verified Activity:	Primary: Anti-GPR109R (TMAB-00787) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 40 kDa



Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GPR109A/HM74A
Antigen Species:	Human
Gene ID:	338442
Uniprot ID:	Q8TDS4
Synonyms:	Niacr1;Nicotinic acid receptor 1;Interferon gamma inducible gene Puma g;G protein coupled receptor Hm74b;HM74b;GPR109A;Puma-g;HCAR2;Protein PUMA-G;G-protein coupled receptor 109;G-protein coupled receptor 109A;rHM74b;Niacin receptor 1;PUMAG;G protein coupled receptor HM74a;G-protein coupled receptor HM74;Nicotinic acid receptor;HM74a;Puma g
Biology Area:	Hydrolysis,p53 Pathway,Hydrolysis,Cancer,GPCR

### Research Background

Acts as a high affinity receptor for both nicotinic acid (also known as niacin) and (D)-beta-hydroxybutyrate and mediates increased adiponectin secretion and decreased lipolysis through G(i)-protein-mediated inhibition of adenylyl cyclase. This pharmacological effect requires nicotinic acid doses that are much higher than those provided by a normal diet. Mediates nicotinic acid-induced apoptosis in mature neutrophils. Receptor activation by nicotinic acid results in reduced cAMP levels which may affect activity of cAMP-dependent protein kinase A and phosphorylation of target proteins, leading to neutrophil apoptosis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481