
GPR45 Rabbit pAb

Catalog Number: bs-13538R

Target Protein: GPR45

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human

Predicted MW: 42 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 11250

Swiss Prot: Q9Y5Y3

Source: KLH conjugated synthetic peptide derived from human GPR45: 251-350/372.

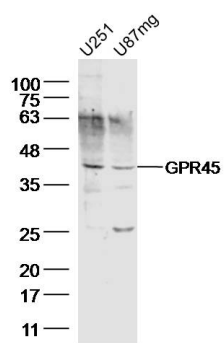
Purification: affinity purified by Protein A

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: G protein-coupled receptors (GPRs) are a protein family of transmembrane receptors that transmit an extracellular signal (ligand binding) into an intracellular signal (G protein activation). GPR signaling is an evolutionarily ancient mechanism used by all eukaryotes to sense environmental stimuli and mediate cell-cell communication. All of the receptors have seven membrane-spanning domains and the extracellular parts of the receptor can be glycosylated. These extracellular loops also contain two highly conserved cysteine residues which create disulfide bonds to stabilize the receptor structure. GPR45, also known as PSP24-1 or PSP24- α , is a 372 amino acid orphan receptor that is suspected to play a role in brain function. Expressed in brain, GPR45 has been detected in the basal forebrain, frontal cortex and caudate, but not in thalamus, hippocampus or putamen.

VALIDATION IMAGES



Sample: U251 Cell (Human) Lysate at 40 ug U87mg Cell (human) Lysate at 40 ug Primary: Anti- GPR45 (bs-13538R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42kD Observed band size: 42 kD