

# MREG Polyclonal antibody

Catalog Number: 14207-1-AP

## Basic Information

**Catalog Number:**

14207-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5416

**GenBank Accession Number:**

BC032747

**GeneID (NCBI):**

55686

**UNIPROT ID:**

Q8N565

**Full Name:**

melanoregulin

**Calculated MW:**

25kDa

**Observed MW:**

26 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:5000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : MCF-7 cells,

## Background Information

MREG, also known as DSU, belongs to the melanoregulin family. MREG is a small, highly charged protein thought to play a role in organelle biogenesis due to its effect on pigmentation in dilute, ashen, and leaden mutant mice (PMID: 19240024). Additionally, MREG probably functions as a cargo-recognition protein that couples cytoplasmic vesicles to the transport machinery. MREG has 2 isoforms with the molecular weights of 25 and 26 kDa.

## Storage

**Storage:**

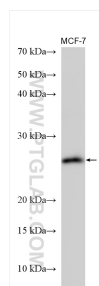
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 14207-1-AP (MREG antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.