

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09815 - Goat Anti-MICS1 / GHITM Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** dermal papilla-derived protein 2, DERP2, DKFZp566C0746, FLJ26584, growth hormone inducible transmembrane protein, HSPC282, MICS1, mitochondrial morphology and cristae structure 1, My021, PTD010, TMBIM5, transmembrane BAX inhibitor motif containing, GHITM

**Official Symbol:** GHITM

**Accession Number(s):** NP\_055209.2

**Human GeneID(s):** [27069](#)

**Non-Human GeneID(s):** 66092 (mouse), 290596 (rat)

### Immunogen

Peptide with sequence C-PSREYATKTRIGIR, from the internal region of the protein sequence according to NP\_055209.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

**Western blot:** Approx 35kDa band observed in lysates of cell line HeLa and of Human Brain (Cerebellum), Duodenum and Heart (calculated MW of 37.2kDa according to Human NP\_055209.2). Recommended concentration: 0.01-0.1µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow, Pig

### Specific Reference

**This antibody has been successfully used in Western blot on Human:**

Meng H, Yamashita C, Shiba-Fukushima K, Inoshita T, Funayama M, Sato S, Hatta T, Natsume T, Umitsu M, Takagi J, Imai Y, Hattori N.

Loss of Parkinson's disease-associated protein CHCHD2 affects mitochondrial crista structure and destabilizes cytochrome c

Nat Commun. 2017 Jun 7;8:15500.

PMID: 28589937

EB09815 (0.01µg/ml) staining of Human Cerebellum (A), Duodenum (B) and Heart (C) cell lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB09815 (0.3µg/ml) staining of HeLa cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.