

## UK Office

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

## EB10535 - Goat Anti-UGT8 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** UGT8, UDP glycosyltransferase 8, CGT, UGT4, 2-hydroxyacylsphingosine 1-beta-galactosyltransferase, UDP-galactose ceramide galactosyltransferase, UDP-galactose-ceramide galactosyltransferase, ceramide UDP-galactosyltransferase, cerebroside synthase

**Official Symbol:** UGT8

**Accession Number(s):** NP\_003351.2

**Human GeneID(s):** [7368](#)

**Non-Human GeneID(s):** 50555 (rat)

**Important Comments:** Reported variants represent identical protein: NP\_001121646.1, NP\_003351.2.

### Immunogen

Peptide with sequence C-NGKYKRNGHIK, from the internal region of the protein sequence according to NP\_003351.2.

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

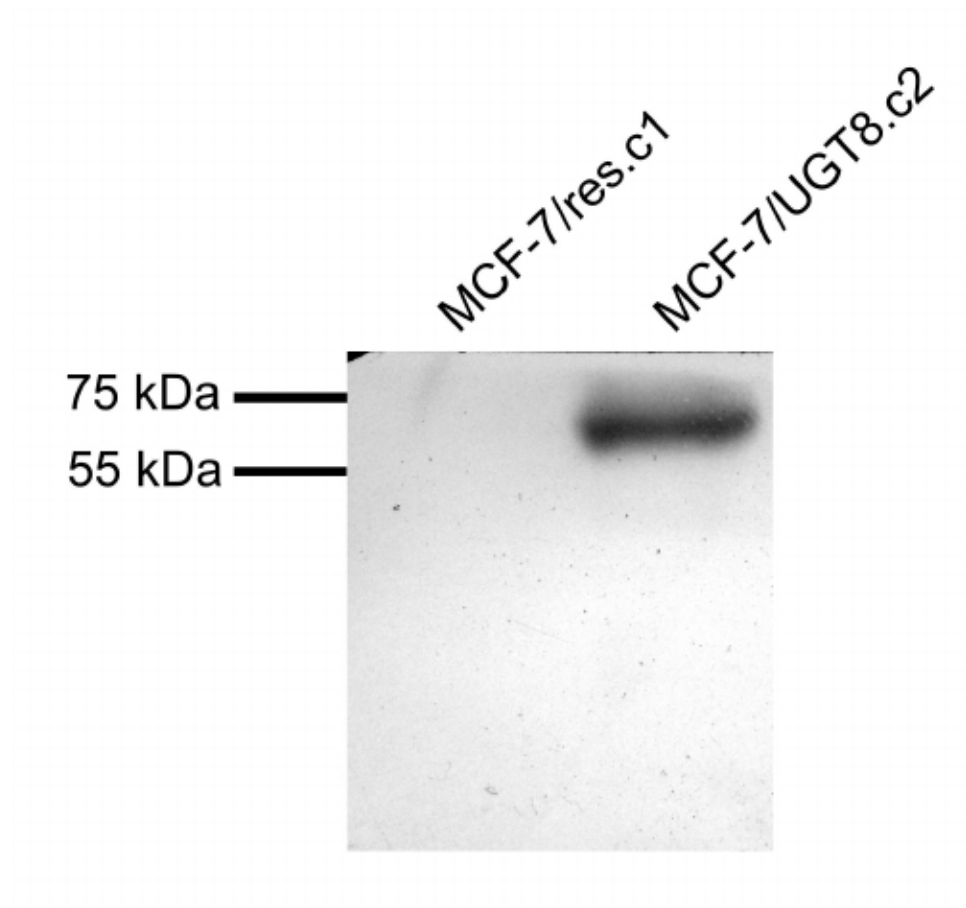
**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** In transfected MCF7 transiently expressing Human UGT8 a band of approx. 65kDa is observed. This band is not observed in the non-transfected MCF7. The calculated molecular size is 61.5kDa according to NP\_003351.2. Recommended concentration, 1-3µg/ml. Preliminary experiments gave an approx 50kDa band in Human -Brain lysates and 48kDa in Rat Brain lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 61.5kDa according to NP\_003351.2. The observed band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

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



MCF7 overexpressing Human UGT8 and probed with EB10535 (mock transfection in first lane). Primary incubation (1ug/ml) was overnight at 4C. Data provided by Tomasz Owczarek, Wroclaw University, Poland. Detected by chemiluminescence.