

UK Office

Everest Biotech Ltd Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries:

info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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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.

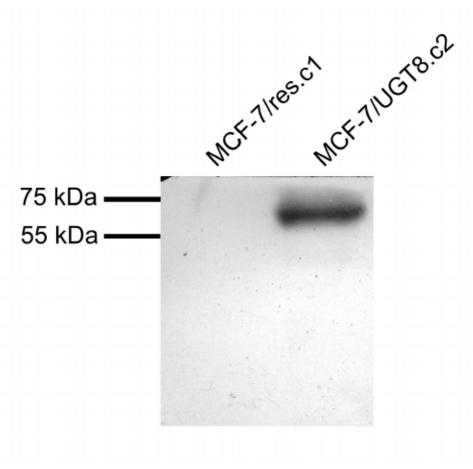
Applications Tested

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: Human 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.