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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB05877 - Goat Anti-5-oxo-EETE GPCR / OXER1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: G-protein coupled receptor TG1019, 5-oxo-EETE G-protein coupled receptor, G-protein coupled receptor TG1019, GPCR, TG1019, GPR170, oxoeicosanoid (OXE) receptor 1, OXER1

Official Symbol: OXER1

Accession Number(s): NP_683765.1

Human GeneID(s): [165140](#)

Immunogen

Peptide with sequence C-GEVSLEKEGSSQG, from the C Terminus of the protein sequence according to NP_683765.1.

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 1:32000.

Western blot: Preliminary experiments gave an approx 37kDa band in human liver lysates after 0.5µg/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 45.8kDa according to NP_683765.1. The 37kDa 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

Background Reference

Hosoi T, Koguchi Y, Sugikawa E, Chikada A, Ogawa K, Tsuda N, Suto N, Tsunoda S, Taniguchi T, Ohnuki T.

Identification of a novel human eicosanoid receptor coupled to G(i/o).

J Biol Chem. 2002 Aug 30;277(35):31459-65.

PMID: 12065583