

## International Office

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

## EB11528 - Goat Anti-POFUT1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** FUT12, GDP-fucose protein O-fucosyltransferase 1, KIAA0180, MGC2482, o-fucosyltransferase protein, O-Fuc-T, O-FucT-1, O-FUT, OTTHUMP00000030583, OTTHUMP00000030584, peptide-O-fucosyltransferase 1, POFUT1, protein O-fucosyltransferase 1

**Official Symbol:** POFUT1

**Accession Number(s):** NP\_056167.1; NP\_758436.1

**Human GeneID(s):** [23509](#)

**Non-Human GeneID(s):** 140484 (mouse), 311551 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_056167.1; NP\_758436.1).

### Immunogen

Peptide with sequence C-TNLHVSQKYFKLEP, from the internal region of the protein sequence according to NP\_056167.1; NP\_758436.1.

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 1:16000.

**Western blot:** In transfected HEK293 transiently expressing Human POFUT1 (myc and DYKDDDDK tagged), a band of approx. 48kDa is observed. No bands are observed in mock-transfected HEK293 and the same band is observed using anti-myc antibody. Recommended concentration, 0.3-1µg/ml.

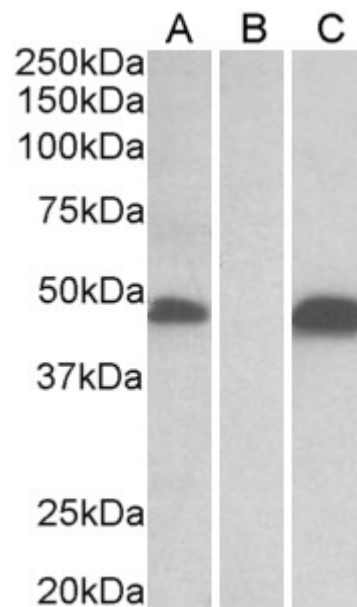
**IHC:** In paraffin embedded Human Cerebral Cortex shows staining of the cytoplasm in neuronal bodies. Recommended concentration, 2-4µg/ml.

Purchase the +ve control! The transfected lysate used in QC is available for sale. Please email [sales@everestbiotech.com](mailto:sales@everestbiotech.com) to request datasheet, pricing and delivery information.

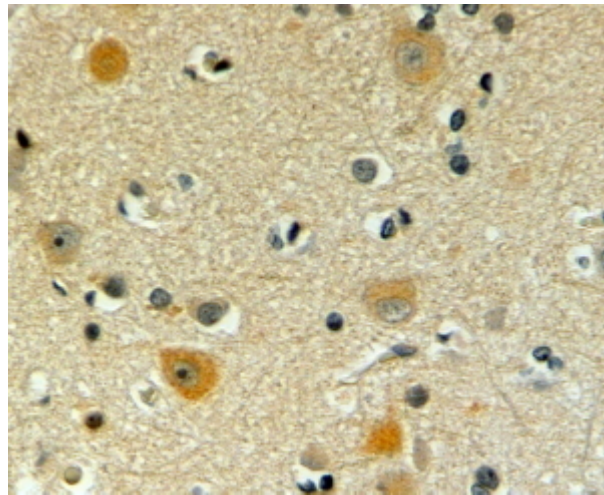
### Species Reactivity

**Tested:** Human

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



HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human POFUT1 with C-terminal MYC tag probed with EB11528 (1ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with EB11528 (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.



EB11528 (2μg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.